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THE ASSESSMENT OF PHYSICAL FITNESS

GEORGES DREYER



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THE ASSESSMENT OF PHYSICAL FITNESS

THE ASSESSMENT OF PHYSICAL FITNESS

By Correlation of Vital Capacity and
Certain Measurements of the Body

WITH TABLES

BY

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To the Memory
of
JOHN HUTCHINSON, M.D., F.R.C.S.
(1811-61)
Sometime Physician to the Brompton
Hospital for Consumption

53356

“And since we are assured that the all wise Creator has observed the most exact proportions of *number, weight, and measure*, in the make of all things; the most likely way, therefore, to get any insight into the nature of those parts of the creation, which come within our observation, must in all reason be to number, weight, and measure. And we have much encouragement to pursue this method of searching into the nature of things, from the great success that has attended any attempts of this kind.”

STEPHEN HALES (1726).

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INTRODUCTION

ONE good effect of the War has been that it has thoroughly awakened public interest in the importance of physical fitness, not only to the individual but also to the nation. Hitherto there has been no satisfactory nor uniform method of estimating the physical fitness of a man, woman, or child. It is the aim of this book to supply medical men and others directly interested in the subject with a method, new only in the details of its application, whereby physical fitness can be assessed on the basis of a few simple physical measurements. This method will, I believe, be found to be easily learned, speedy, and trustworthy.

INADEQUACY OF THE OLDER METHODS.—Investigators who have been concerned with the study and estimation of the physical development of the population of this and other countries must undoubtedly have felt how unsatisfactory the results obtained by the use of existing Tables dealing with the height and weight of the body have proved.

Extensive statistics have been gathered, but the information derived therefrom has often been contradictory, especially when applied to collections of individuals varying widely in age and bodily development.

Most of the existing Tables dealing with the size of the normal human body are based on the theory that definite relations between age, height, and weight exist. It has,

however, been satisfactorily proved that such relationships do not exist when individuals varying widely in size are examined*. On the other hand it has been possible to show that definite relationships between the weight of the body, the length of the trunk (i.e. the height sitting), and the circumference of the chest do exist, as well as to demonstrate the uniformity of their relationship to the vital capacity of the lungs.

DEVELOPMENT OF THE NEW METHOD.—Before it is possible to remedy the evils of under-development, and to promote the cultivation of health and good physique, it is necessary to establish on an adequate basis what are to be regarded as standards of normality with respect to the weight and the size of the body in persons who may be taken as being in a condition of perfect health. Before such standards could be arrived at, however, it was imperative to determine definite relationships between the weight of the body and certain bodily measurements in a number of individuals of widely differing sizes and ages. As it has been shown† that such relationships do exist, not only between the weight and certain measurements of the body but also between these bodily measurements and certain functional measurements—as, for example, Vital Capacity—it was hoped that the general application of these relationships might fill a long-felt want in our present knowledge regarding standards of healthy development, good physique, and physical fitness.

Although these relationships are comparatively simple, the process of calculating each of them necessitates the

* See "Investigations on the Normal Vital Capacity in Man and its Relation to the Size of the Body," by Georges Dreyer. *Lancet*, Aug. 9, 1919.

† G. D., *loc. cit.*

INTRODUCTION

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expenditure of so much time and attention that much of their value for immediate, practical application would be lost if separate calculations for each case had to be made. It is to avoid this that the appended Tables have been constructed, enabling all persons interested or concerned to gain quickly and easily correct information which otherwise could only be obtained through a series of laborious calculations.

FORMULÆ FROM WHICH THE TABLES ARE CALCULATED.
—The various relationships indicated above have been expressed in the following formulæ (G. D., *loc. cit.*):—

MALES

$$\begin{aligned} W &= 0.38025 \times \sqrt[0.319]{\lambda}; & W &= 0.662 \times \sqrt[0.365]{Ch.}; \\ Ch. &= \frac{\lambda^{1.1442}}{2.00148}; & V.C. &= \frac{W^{0.72}}{0.69}; & V.C. &= \frac{\lambda^{2.257}}{6.1172}; \\ V.C. &= \frac{Ch^{1.973}}{1.5595}. \end{aligned}$$

FEMALES

$$\begin{aligned} W &= 0.36093 \times \sqrt[0.313]{\lambda}; & W &= 0.30213 \times \sqrt[0.284]{Ch.}; \\ Ch. &= \frac{\lambda^{0.9074}}{0.761833}; & V.C. &= \frac{W^{0.72}}{0.79348}; & V.C. &= \frac{\lambda^{2.3003}}{8.2714}; \\ V.C. &= \frac{Ch^{2.5352}}{16.4951}. \end{aligned}$$

W = weight of the body in grammes; λ = length of the trunk in centimetres; Ch. = circumference of the chest in centimetres; V.C. = Vital Capacity in cubic centimetres. The constants for Vital Capacity represent Class A (p. 16).

It is only when the meaning of “the normal” with respect to these measurements is understood, and when the limits of the normal have been properly defined, that it will be possible to study with any prospect of accuracy or success the deviations from the normal, and to give a

definite significance to such terms as "good physique," "poor physique," "physical fitness," and so forth.

THE NORMAL FIGURES.—The data forming the basis for the calculation of the present Tables in the case of normal, healthy men and women are derived from the analysis of a number of observations sufficient to ensure a degree of accuracy that should prove entirely satisfactory. While it cannot be claimed that the constants employed for the various indices given in the Tables are to be regarded as fixed and final, it can be stated that any changes they may have to undergo in the future, as a result of the further accumulation of data, in normal adolescents, men, and women, will be small and not likely to impair their present validity from the practical point of view.

I should like to record our thanks to the Medical Research Council for the help they have afforded us in enabling us to test the Tables on a large material already collected under their auspices, as well as to Dr. A. J. Jex-Blake, Physician to St. George's Hospital, Mr. H. F. Pierce, late Major American Medical Air Service, and Dr. F. G. Hobson, D.S.O., for valuable assistance rendered during the preparation of the Tables.

G. D.

THE TABLES: EXPLANATORY

THE annexed Tables give information regarding the weight of the human body in its relationship to the length of the trunk (i.e. the height sitting), the circumference of the chest, and the vital capacity of the lungs.

No data regarding the height standing are given, for the reasons indicated in the Introduction. It will also be seen that no reference is made to the age of the individual, because, for the range of indices given, it has been found that the question of age is of little or no importance up to an age of about 50 years.

To make proper use of the Tables, and to secure comparable results, it is essential that all measurements should be taken uniformly and as nearly as possible in the following manner :—

MEASUREMENTS

Weight.—All the weights quoted are net weights of the body without clothes. When it is found desirable to weigh an individual wearing a garment, the weight of the garment must be ascertained and deducted from the observed total weight, so that the record of the actual net weight without clothes is obtained.

Length of the Trunk.—The trunk length is taken by means of the special measuring apparatus shown in Fig. 1. It is taken with the subject sitting on the platform, the following points being carefully observed :

The subject places the backs of the fingers upon the platform on which he sits, and, with the fingers pointing

backwards and the knees flexed, lifts the lower portion of the body gently backwards until the lowest bony portion of the os sacrum is in contact with the front of the measuring standard. The back is then straightened until the back of the head comes into contact with the standard

(Fig. 1). It will be found that different persons require to bend the knees in different degrees in order to achieve this position. The head should be tilted neither up nor down, and the eyes should look straight forward. The measurement thus obtained gives the distance between the ischial tuberosities and the top of the head.



Fig. 1.—Taking the trunk-measurement.

If no proper measuring stand is available, fairly accurate readings can be obtained in the following manner. The subject should be seated on a level floor or a board, with his

back against the perpendicular projecting angle of a wall or cupboard to which the scale is fixed. He should then proceed to seat himself in the manner indicated above. On account of the influence of the gluteal muscles, the trunk-length should not be taken when the subject is seated in a chair, as this affords measurements that are inconstant and that have been found to be as much

as 3 per cent. greater than those taken by the correct procedure.

Circumference of the Chest.—The circumference of the chest should be measured by a tape measure in direct contact with the skin (or, if necessary, placed over a very thin garment). The measurement is taken at the nipple-level in males, that is to say at the level of the fourth intercostal space in the nipple line; in the case of females the measure is taken at the same level, just under the breasts. If the measurement in the case of females is taken at the same level over the breasts, it is found to be on the average $4\frac{1}{2}$ per cent. greater than if taken below the breasts. It is therefore necessary to subtract $4\frac{1}{2}$ per cent. from the chest-measurement taken in this way, or, as an alternative method, multiply the observed measurement by 0.957, before looking up the corresponding weight in the Tables.

EXAMPLE

Measurement over the breasts = 76.3 cm.

$76.3 \text{ cm.} \times 0.957 = 73.0 \text{ cm.}$ (corrected circumference of chest).

From Table VIII.

$73.0 \text{ cm.} = 53.79 \text{ kilos.}$

While being measured the subject should stand up with the arms hanging loosely at the sides, and should be encouraged to talk; in this way quiet natural breathing is secured, and expansion of the chest beyond the resting position is prevented. The measurement required is that of the normally breathing, *not expanded* chest.

The Vital Capacity.—The term "vital capacity" is used to indicate the maximum amount of air an individual is able to expel from the lungs by voluntary effort, after taking the deepest possible inspiration. In measuring the vital capacity it is essential to use an

apparatus that affords the least possible resistance to expiration, and at the same time gives easy and accurate readings of the amount of air expired. The most suitable apparatus has been found to be a spirometer made by Georges Boullite of Paris* (Fig. 2).



Fig. 2.—Spirometer.

Naturally, however, any accurate apparatus having the same advantages can be used. A flexible tube of sufficiently large diameter (about 2 cm. or $\frac{3}{4}$ in.) should be attached to the apparatus. In the free end of the tube is inserted a tight-fitting mouthpiece (indiarubber tubing) 7 or 8 cm. (3 in.) in length and about 2 cm. in diameter. After use these mouthpieces should be placed in a solution

* British Agency, Oxford Scientific Instrument Works, Wheatsheaf Yard, Oxford.

of 1 per cent. carbolic acid, rinsed with water, and dried before reinsertion into the tube. A fresh mouthpiece should be used for each subject. The subject should be seated on a high stool, with his back straight, opposite the spirometer (Fig. 3), the dial being so placed that he cannot see the readings. This is done for the purpose of keeping him in ignorance of the readings while being examined, as it is found that any such knowledge tends to interfere with the accuracy of the results. The neck, chest and abdomen must be free from any obstruction to free movement, such as collar, belt or stays. The subject is asked to fill the lungs to the maximum capacity, then the nose is held with one hand, the mouthpiece is placed well inside the lips with the other hand in such a manner as to prevent any escape of air round it. He now blows steadily into the tube, and empties the lungs as completely as possible into the spirometer, being encouraged during the last period of expiration to make the utmost effort to expel all air from the lungs. The readings are given in litres and decimals of litres, to be read directly from the dial. After each expiration the needle on the single-litre dial should be brought back to



Fig. 3.—Testing the vital capacity.

zero by the observer. At the end of a long series of examinations the spirometer should be inverted, to allow any condensed moisture to escape. Five successive observations should be taken and recorded, the subject being allowed time for a short rest after each.

To obtain trustworthy results, it is essential that the subject should be carefully shown how to proceed before the actual measurements are taken. *The highest reading out of the five is the one that should be taken as the value of the vital capacity*; it is found to be about 5 per cent. greater than the mean of the observations.

The Tables for Males and for Females.—There are separate Tables for males and for females. Such a division is essential because the two sexes differ greatly in almost every particular, and the results obtained by using the Tables for one sex in the case of the other are found to be entirely misleading.

The Metric System.—It is strongly recommended that all these measurements should be taken in the metric system, but, as this is far from being generally adopted, alternative Tables are provided in which the measurements are given in stones, pounds, ounces, and inches. In the case of vital capacity, the measurement is always expressed in cubic centimetres. If, however, a spirometer reading in cubic inches is used, the observer can readily change the figures into cubic centimetres by means of the special Reduction Table found on p. 116.

In the case of the Tables recording stones, pounds, ounces, and inches, the accurate value in decimals of pounds and of inches is set down and subsequently reduced to the nearest number of ounces and eighths of an inch. The reason for inserting also the decimal values

in the non-metric system is that use of the decimal system enables one to determine most easily the percentage deviation between the indices in the Tables and the actual observations.

Purpose of the Tables.—The Tables are intended to be used for the following purposes :—

1. The determination of what are the normal proportions between the weight, the trunk-length, and the circumference of the chest.
2. To gain evidence as to underfeeding or malnutrition during different stages of adolescent or adult life, as well as in various classes and occupations of the population.
3. For the study of the different aspects of physical fitness as measured by vital capacity in its relation to weight, trunk-length, and chest-circumference ; for the comparison of adolescents with adults, and of the male sex with the female ; for the comparison of different trades, occupations, and classes one with another, referring all to a definite common standard.
4. The application of these various measurements to patients with organic disease—e.g. pulmonary tuberculosis, as well as to persons with functional disorders—e.g. industrial fatigue, the fatigue of aviators, and so on.

To gain information on these various points, it is obvious that the Tables must be used in the correct manner. To ensure this, a detailed description of their use, application, and limitations is now given.

To find out if the Weight is Normal.—To ascer-

tain if the weight of an individual or group of individuals is normal, proceed as follows: Having ascertained the trunk-length and the chest-circumference, find first in Table I. or Table VII. the weight corresponding to the observed trunk-length, then look up the weight for the observed chest-circumference in Table II. or Table VIII.; add the two weights together and divide by two, and the normal weight for an individual of the observed trunk-length and chest-circumference will have been obtained. The weight derived from the Tables is now compared with the actual weight observed, and the percentage deviation above or below the normal is readily calculated. The figure derived from the Tables should always be taken as equal to 100 per cent.

If the individual represents an average type, the two weights obtained from the two measurements will be found practically identical; thus:—

EXAMPLE

FEMALE, AGE 10 YEARS

| | | |
|---------------------|------------------------------|--------------------|
| <i>Observations</i> | { Weight of the body | = 34.0 kilograms |
| | { Length of the trunk | = 72.7 centimetres |
| | { Circumference of the chest | = 64.0 centimetres |

CALCULATION

Weight derived from length of the trunk (72.7 cm.)
= 34.15 kilos (from Table VII.).

Weight derived from circumference of the chest (64.0 cm.)
= 33.84 kilos (from Table VIII.).

Averaging $\frac{34.15 + 33.84}{2} = 34.0$ kilos, which is the normal weight corresponding to the observed length of the trunk and the circumference of the chest.

Subtracting the calculated from the observed weight,
 $34.0 - 34.0 = 0$.

Therefore the person weighs exactly what she should weigh according to the Tables.

If, on the other hand, the circumference of the chest and the length of the trunk are markedly out of proportion to each other, the weight obtained from either the one or the other may be very considerably above or below the actual weight found, although by taking the two figures together—as mentioned above—the individual will be found to have an absolutely normal weight; thus:—

EXAMPLE

MALE, AGE 27 YEARS

| | | |
|---------------------|----------------------------|--------------------|
| <i>Observations</i> | Weight of the body | =100.5 kilograms. |
| | Length of the trunk | =100.0 centimetres |
| | Circumference of the chest | =105.5 centimetres |

CALCULATION

Weight derived from length of the trunk (100.0 cm.)
= 89.78 kilos (from Table I.).

Weight derived from circumference of the chest (105.5 cm.)
= 112.81 kilos (from Table II.).

Averaging $\frac{89.78 + 112.81}{2} = 101.3$ kilos, which is the normal

weight corresponding to the observed length of the trunk and the circumference of the chest.

Subtracting the calculated from the observed weight,
 $100.5 - 101.3 = -0.8$ kilos.

$\frac{-0.8 \times 100}{101.3} = -0.79$ per cent.

Therefore the person weighs 0.79 per cent. less than he should weigh according to the Tables.

Difficulties in taking Measurements.—It should be noted that the calculated weights derived from chest-measurements show greater individual variations than those obtained from trunk-lengths. This is more particularly marked in the adult female owing to the difficulty in obtaining successive measurements that are identical on repeated examination, slight variations of level in the application of the tape measure to the chest giving rise to considerable variations in the measurements, owing to the

interference of the mammary tissue. The errors thus introduced are, however, small when averaged up by basing the calculations on both trunk-length and chest-measurement, where individual cases are concerned.

If, on the other hand, one wishes to compare the weights of a whole group or class of individuals with those of another group or class, little advantage, if any, is gained by averaging the figures obtained from both these measurements. At the present stage of our knowledge it would seem that if greater deviations are found to occur by taking both measurements into account than by basing the calculations on trunk-lengths only, the latter series of observations should be considered the more correct.

These remarks on the weights derived from trunk-lengths and chest-measurements apply equally to estimates of the vital capacity based on these two measurements.

What has been said above in the case of females applies also to a certain extent to males, though in males it is easier to obtain accurate chest-measurements.

Variations in the Normal Weight.—No hard-and-fast line can be drawn between the normal and the abnormal when the weight of the body is being considered. It is best therefore to class body-weights in four categories as either

- (i) Normal, or
- (ii) Possibly abnormal,
- (iii) Probably abnormal,
- (iv) Certainly abnormal.

The Tables having been applied to a large number of observations, it can be stated that if an individual is found to be as much as 5 per cent. below or above normal

he (ii) *possibly* has an abnormal weight; while if he differs from the normal by as much as 10 per cent., he is (iii) *probably* abnormal in this respect; and if the deviation reaches as much as 15 per cent., his weight is (iv) *certainly* abnormal. Where groups of persons are concerned, the required percentage deviations are different, but it is possible in each case to say with the same degree of certainty that the weights are either normal, or possibly, probably, or certainly abnormal if the percentage differences are as much as 2, 4, and 6 respectively.

If a person be found to have a weight normal in relation to his trunk-length, while the weight derived from the chest-circumference is either considerably above or considerably below the normal, this fact will show that the chest is either abnormally large or abnormally small in proportion to the length of the trunk and the weight. To ascertain the chest-measurements normally corresponding to a given normal trunk-length, or the trunk-length corresponding to a normal chest-circumference, Table III. or Table IX. is used.

Vital Capacity and Physical Fitness.—In the Tables dealing with vital capacity in its relation to weight, trunk-length and chest-circumference, it will be found that for each given weight or measurement three readings of vital capacity are recorded, in the columns marked A, B, and C respectively, for both males and females. The reason why three sets of figures are given is that different degrees of vital capacity will be found in persons all apparently in good health, and differing only in their physical fitness. It has been found that an individual living a healthy, outdoor life, or compensating for a sedentary life by regular exercise or sport, will have a

THE TABLES: EXPLANATORY

CLASS B

Professional classes (doctors, lawyers, etc.).
Business men.
Railwaymen.
High-grade mechanics.
Children in upper class schools (may be in Class A depending on school).
Clerks, upper class.

CLASS C

Tailors.
Shopkeepers.
Shoemakers.
Printers.
Potters.
Clerks, lower class.
Painters.
Elementary School children.
Factory children.

Variations from the Normal in Physical Fitness.—

As a result of the examination of a large number of apparently healthy people who, from mode of life or occupation, should belong to Classes A, B, or C respectively, it can safely be stated that if a person is found to have as much as 10 per cent. less vital capacity than is normal for his class, it is *probable* that he is suffering from some health-depressing condition, and if he is as much as 15 per cent. below the normal limit it is *practically certain* that he is abnormal in this respect.

Vital Capacity in Disease.—In studying the changes in vital capacity taking place during various diseases, for instance pulmonary tuberculosis, the Tables should be used in exactly the same manner as has been indicated above.

First, find out from the trunk-length and chest-measure-

ment what the patient's normal weight should be, then look up the vital capacity corresponding to these measurements. In this way information will be gained that will subsequently be of service in determining the significance of future changes in weight, vital capacity, and percentage deviation from the normal. Where an individual has lost considerably in weight it must be borne in mind that the chest-measurement will also have become slightly less. Hence the figures derived from this measurement will often show a smaller deficiency than those obtained from the trunk-length, which naturally shows no such change. Again, however, the advantage from averaging both sets of figures balances the relatively small errors introduced by the change in one of the measurements. The knowledge to which class an individual is likely to belong is also of particular importance when changes in vital capacity are studied in connection with various diseases.

It is perhaps worth recording that changes in the vital capacity appear to offer an unusually trustworthy index of any improvement or deterioration taking place in the pulmonary lesions of patients with tuberculosis of the lungs. It also appears from the study of a tolerably large number of such cases that determinations of the vital capacity and its changes may be of value in prognosis, and help the physician to decide, for example, which patients are likely to benefit by further sanatorium treatment and which are not. (See "The Vital Capacity Constants Applied to Pulmonary Tuberculosis," by Georges Dreyer and L. S. T. Burrell, *Lancet*, June 5th, 1920, cxcviii. 1212.)

THE TABLES

METRIC SYSTEM: TABLES I.—XII.

IMPERIAL SYSTEM: TABLES XIII.—XXIV.

Table I.—MALES

Showing the normal *weight* in kilograms calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms |
|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|
| 60.0 | 18.10 | 66.0 | 24.41 | 72.0 | 32.06 | 78.0 | 41.20 |
| .2 | .29 | .2 | .64 | .2 | .34 | .2 | .54 |
| .4 | .48 | .4 | .87 | .4 | .62 | .4 | .87 |
| .6 | .68 | .6 | 25.11 | .6 | .91 | .6 | 42.21 |
| .8 | .87 | .8 | .35 | .8 | 33.19 | .8 | .54 |
| 61.0 | 19.06 | 67.0 | .58 | 73.0 | .48 | 79.0 | .88 |
| .2 | .26 | .2 | .83 | .2 | .77 | .2 | 43.23 |
| .4 | .46 | .4 | 26.07 | .4 | 34.06 | .4 | .57 |
| .6 | .66 | .6 | .31 | .6 | .35 | .6 | .99 |
| .8 | .86 | .8 | .56 | .8 | .64 | .8 | 44.26 |
| 62.0 | 20.06 | 68.0 | .80 | 74.0 | .94 | 80.0 | .61 |
| .2 | .27 | .2 | 27.05 | .2 | 35.23 | .2 | .96 |
| .4 | .47 | .4 | .30 | .4 | .53 | .4 | 45.31 |
| .6 | .68 | .6 | .55 | .6 | .83 | .6 | .67 |
| .8 | .89 | .8 | .80 | .8 | 36.13 | .8 | 46.02 |
| 63.0 | 21.10 | 69.0 | 28.06 | 75.0 | .44 | 81.0 | .38 |
| .2 | .32 | .2 | .31 | .2 | .74 | .2 | .74 |
| .4 | .52 | .4 | .57 | .4 | 37.05 | .4 | 47.10 |
| .6 | .73 | .6 | .83 | .6 | .36 | .6 | .46 |
| .8 | .95 | .8 | 29.09 | .8 | .67 | .8 | .83 |
| 64.0 | 22.16 | 70.0 | .35 | 76.0 | .98 | 82.0 | 48.20 |
| .2 | .38 | .2 | .61 | .2 | 38.29 | .2 | .57 |
| .4 | .60 | .4 | .88 | .4 | .61 | .4 | .94 |
| .6 | .82 | .6 | 30.15 | .6 | .93 | .6 | 49.31 |
| .8 | 23.04 | .8 | .41 | .8 | 39.25 | .8 | .69 |
| 65.0 | .27 | 71.0 | .69 | 77.0 | .57 | 83.0 | 50.07 |
| .2 | .49 | .2 | .96 | .2 | .89 | .2 | .44 |
| .4 | .72 | .4 | 31.23 | .4 | 40.22 | .4 | .83 |
| .6 | .95 | .6 | .50 | .6 | .54 | .6 | 51.21 |
| .8 | 24.18 | .8 | .78 | .8 | .87 | .8 | .59 |

Table I.—MALES (*Continued*)

Showing the normal *weight* in kilograms calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms |
|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|
| 84.0 | 51.98 | 90.0 | 64.53 | 96.0 | 79.00 | 102.0 | 95.53 |
| .2 | 52.37 | .2 | .98 | .2 | .52 | .2 | 96.12 |
| .4 | .76 | .4 | 65.43 | .4 | 80.04 | .4 | .71 |
| .6 | 53.15 | .6 | .90 | .6 | .56 | .6 | 97.31 |
| .8 | .55 | .8 | 66.35 | .8 | 81.08 | .8 | .90 |
| 85.0 | .94 | 91.0 | .80 | 97.0 | .61 | 103.0 | 98.50 |
| .2 | 54.34 | .2 | 67.26 | .2 | 82.14 | .2 | 99.10 |
| .4 | .74 | .4 | .73 | .4 | .67 | .4 | .70 |
| .6 | 55.14 | .6 | 68.20 | .6 | 83.20 | .6 | 100.31 |
| .8 | .55 | .8 | .66 | .8 | .74 | .8 | .92 |
| 86.0 | .96 | 92.0 | 69.13 | 98.0 | 84.28 | 104.0 | 101.53 |
| .2 | 56.37 | .2 | .60 | .2 | .81 | .2 | 102.15 |
| .4 | .78 | .4 | 70.08 | .4 | 85.36 | .4 | .76 |
| .6 | 57.19 | .6 | .56 | .6 | .90 | .6 | 103.38 |
| .8 | .61 | .8 | 71.05 | .8 | 86.45 | .8 | 104.00 |
| 87.0 | 58.02 | 93.0 | .51 | 99.0 | 87.00 | 105.0 | .62 |
| .2 | .44 | .2 | 72.00 | .2 | .55 | .2 | 105.25 |
| .4 | .86 | .4 | .49 | .4 | 88.11 | .4 | .88 |
| .6 | 59.29 | .6 | .97 | .6 | .66 | .6 | 106.51 |
| .8 | .71 | .8 | 73.46 | .8 | 89.22 | .8 | 107.14 |
| 88.0 | 60.14 | 94.0 | .96 | 100.0 | .78 | 106.0 | .78 |
| .2 | .57 | .2 | 74.45 | .2 | 90.35 | .2 | 108.41 |
| .4 | 61.00 | .4 | .94 | .4 | .91 | .4 | 109.06 |
| .6 | .43 | .6 | 75.44 | .6 | 91.49 | .6 | .70 |
| .8 | .87 | .8 | .95 | .8 | 92.05 | .8 | 110.35 |
| 89.0 | 62.31 | 95.0 | 76.45 | 101.0 | .63 | 107.0 | .99 |
| .2 | .75 | .2 | .96 | .2 | 93.21 | .2 | 111.65 |
| .4 | 63.19 | .4 | 77.46 | .4 | .78 | .4 | 112.30 |
| .6 | .64 | .6 | .97 | .6 | 94.36 | .6 | .96 |
| .8 | 64.08 | .8 | 78.49 | .8 | .95 | .8 | 113.62 |

Table I.—MALES (*Continued*)

Showing the normal *weight* in kilograms calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms |
|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|
| 108·0 | 114·28 | 110·0 | 121·05 | 112·0 | 128·08 | 114·0 | 135·38 |
| ·2 | ·95 | ·2 | ·74 | ·2 | ·80 | ·2 | 136·14 |
| ·4 | 115·61 | ·4 | 122·43 | ·4 | 129·52 | ·4 | ·89 |
| ·6 | 116·28 | ·6 | 123·13 | ·6 | 130·24 | ·6 | 137·63 |
| ·8 | ·96 | ·8 | ·83 | ·8 | ·97 | ·8 | 138·39 |
| 109·0 | 117·63 | 111·0 | 124·53 | 113·0 | 131·70 | 115·0 | 139·15 |
| ·2 | 118·31 | ·2 | 125·24 | ·2 | 132·44 | | |
| ·4 | ·99 | ·4 | ·95 | ·4 | 133·17 | | |
| ·6 | 119·67 | ·6 | 126·65 | ·6 | ·91 | | |
| ·8 | 120·36 | ·8 | 127·36 | ·8 | 134·64 | | |

TABLE II.—MALES

Showing the normal *weight* in kilograms calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms |
|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|
| 55·0 | 18·94 | 61·0 | 25·15 | 67·0 | 32·52 | 73·0 | 41·13 |
| ·2 | 19·13 | ·2 | ·38 | ·2 | ·79 | ·2 | ·44 |
| ·4 | ·32 | ·4 | ·60 | ·4 | 33·06 | ·4 | ·76 |
| ·6 | ·51 | ·6 | ·83 | ·6 | ·33 | ·6 | 42·07 |
| ·8 | ·70 | ·8 | 26·06 | ·8 | ·60 | ·8 | ·38 |
| 56·0 | ·90 | 62·0 | ·29 | 68·0 | ·87 | 74·0 | ·70 |
| ·2 | 20·01 | ·2 | ·53 | ·2 | 34·14 | ·2 | 43·01 |
| ·4 | ·29 | ·4 | ·76 | ·4 | ·42 | ·4 | ·33 |
| ·6 | ·49 | ·6 | 27·00 | ·6 | ·69 | ·6 | ·65 |
| ·8 | ·68 | ·8 | ·24 | ·8 | ·97 | ·8 | ·97 |
| 57·0 | ·88 | 63·0 | ·47 | 69·0 | 35·25 | 75·0 | 44·30 |
| ·2 | 21·09 | ·2 | ·71 | ·2 | ·53 | ·2 | ·62 |
| ·4 | ·29 | ·4 | ·95 | ·4 | ·81 | ·4 | ·95 |
| ·6 | ·49 | ·6 | 28·20 | ·6 | 36·10 | ·6 | 45·27 |
| ·8 | ·70 | ·8 | ·44 | ·8 | ·38 | ·8 | ·60 |
| 58·0 | ·90 | 64·0 | ·68 | 70·0 | ·67 | 76·0 | ·93 |
| ·2 | 22·11 | ·2 | ·93 | ·2 | ·96 | ·2 | 46·26 |
| ·4 | ·32 | ·4 | 29·18 | ·4 | 37·24 | ·4 | ·60 |
| ·6 | ·53 | ·6 | ·43 | ·6 | ·53 | ·6 | ·93 |
| ·8 | ·74 | ·8 | ·68 | ·8 | ·83 | ·8 | 47·27 |
| 59·0 | ·95 | 65·0 | ·93 | 71·0 | 38·12 | 77·0 | ·61 |
| ·2 | 23·17 | ·2 | 30·18 | ·2 | ·41 | ·2 | ·95 |
| ·4 | ·38 | ·4 | ·44 | ·4 | ·71 | ·4 | 48·29 |
| ·6 | ·60 | ·6 | ·69 | ·6 | 39·01 | ·6 | ·63 |
| ·8 | ·82 | ·8 | ·95 | ·8 | ·31 | ·8 | ·98 |
| 60·0 | 24·04 | 66·0 | 31·21 | 72·0 | ·61 | 78·0 | 49·32 |
| ·2 | ·26 | ·2 | ·47 | ·2 | ·91 | ·2 | ·67 |
| ·4 | ·48 | ·4 | ·73 | ·4 | 40·21 | ·4 | 50·02 |
| ·6 | ·70 | ·6 | ·99 | ·6 | ·52 | ·6 | ·37 |
| ·8 | ·92 | ·8 | 32·26 | ·8 | ·83 | ·8 | ·72 |

TABLE II.—MALES (*Continued*)

Showing the normal *weight* in kilograms calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms |
|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|
| 79.0 | 51.07 | 85.0 | 62.42 | 91.0 | 75.24 | 97.0 | 89.62 |
| .2 | .43 | .2 | .82 | .2 | .69 | .2 | 90.13 |
| .4 | .78 | .4 | 63.22 | .4 | 76.15 | .4 | .64 |
| .6 | 52.14 | .6 | .63 | .6 | .61 | .6 | 91.15 |
| .8 | .50 | .8 | 64.04 | .8 | 77.06 | .8 | .65 |
| 80.0 | .86 | 86.0 | .45 | 92.0 | .53 | 98.0 | 92.18 |
| .2 | 53.22 | .2 | .86 | .2 | .99 | .2 | .69 |
| .4 | .59 | .4 | 65.27 | .4 | 78.45 | .4 | 93.21 |
| .6 | .96 | .6 | .69 | .6 | .92 | .6 | .73 |
| .8 | 54.32 | .8 | 66.10 | .8 | 79.39 | .8 | 94.25 |
| 81.0 | .70 | 87.0 | .52 | 93.0 | .86 | 99.0 | .78 |
| .2 | 55.07 | .2 | .94 | .2 | 80.33 | .2 | 95.30 |
| .4 | .43 | .4 | 67.36 | .4 | .80 | .4 | .83 |
| .6 | .81 | .6 | .78 | .6 | 81.28 | .6 | 96.36 |
| .8 | 56.19 | .8 | 68.21 | .8 | .75 | .8 | .89 |
| 82.0 | .56 | 88.0 | .64 | 94.0 | 82.23 | 100.0 | 97.42 |
| .2 | .94 | .2 | 69.07 | .2 | .71 | .2 | .96 |
| .4 | 57.32 | .4 | .49 | .4 | 83.19 | .4 | 98.49 |
| .6 | .71 | .6 | .93 | .6 | .68 | .6 | 99.03 |
| .8 | 58.09 | .8 | 70.36 | .8 | 84.16 | .8 | .57 |
| 83.0 | .47 | 89.0 | .80 | 95.0 | .65 | 101.0 | 100.11 |
| .2 | .86 | .2 | 71.23 | .2 | 85.14 | .2 | .66 |
| .4 | 59.25 | .4 | .67 | .4 | .63 | .4 | 101.21 |
| .6 | .64 | .6 | 72.11 | .6 | 86.12 | .6 | .75 |
| .8 | 60.03 | .8 | .55 | .8 | .62 | .8 | 102.30 |
| 84.0 | .42 | 90.0 | .99 | 96.0 | 87.11 | 102.0 | .85 |
| .2 | .82 | .2 | 73.44 | .2 | .62 | .2 | 103.41 |
| .4 | 61.21 | .4 | .89 | .4 | 88.11 | .4 | .96 |
| .6 | .61 | .6 | 74.34 | .6 | .62 | .6 | 104.52 |
| .8 | 62.01 | .8 | .79 | .8 | 89.12 | .8 | 105.08 |

TABLE II.—MALES

Showing the normal *weight* in kilograms calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms |
|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|
| 55·0 | 18·94 | 61·0 | 25·15 | 67·0 | 32·52 | 73·0 | 41·13 |
| ·2 | 19·13 | ·2 | ·38 | ·2 | ·79 | ·2 | ·44 |
| ·4 | ·32 | ·4 | ·60 | ·4 | 33·06 | ·4 | ·76 |
| ·6 | ·51 | ·6 | ·83 | ·6 | ·33 | ·6 | 42·07 |
| ·8 | ·70 | ·8 | 26·06 | ·8 | ·60 | ·8 | ·38 |
| 56·0 | ·90 | 62·0 | ·29 | 68·0 | ·87 | 74·0 | ·70 |
| ·2 | 20·01 | ·2 | ·53 | ·2 | 34·14 | ·2 | 43·01 |
| ·4 | ·29 | ·4 | ·76 | ·4 | ·42 | ·4 | ·33 |
| ·6 | ·49 | ·6 | 27·00 | ·6 | ·69 | ·6 | ·65 |
| ·8 | ·68 | ·8 | ·24 | ·8 | ·97 | ·8 | ·97 |
| 57·0 | ·88 | 63·0 | ·47 | 69·0 | 35·25 | 75·0 | 44·30 |
| ·2 | 21·09 | ·2 | ·71 | ·2 | ·53 | ·2 | ·62 |
| ·4 | ·29 | ·4 | ·95 | ·4 | ·81 | ·4 | ·95 |
| ·6 | ·49 | ·6 | 28·20 | ·6 | 36·10 | ·6 | 45·27 |
| ·8 | ·70 | ·8 | ·44 | ·8 | ·38 | ·8 | ·60 |
| 58·0 | ·90 | 64·0 | ·68 | 70·0 | ·67 | 76·0 | ·93 |
| ·2 | 22·11 | ·2 | ·93 | ·2 | ·96 | ·2 | 46·26 |
| ·4 | ·32 | ·4 | 29·18 | ·4 | 37·24 | ·4 | ·60 |
| ·6 | ·53 | ·6 | ·43 | ·6 | ·53 | ·6 | ·93 |
| ·8 | ·74 | ·8 | ·68 | ·8 | ·83 | ·8 | 47·27 |
| 59·0 | ·95 | 65·0 | ·93 | 71·0 | 38·12 | 77·0 | ·61 |
| ·2 | 23·17 | ·2 | 30·18 | ·2 | ·41 | ·2 | ·95 |
| ·4 | ·38 | ·4 | ·44 | ·4 | ·71 | ·4 | 48·29 |
| ·6 | ·60 | ·6 | ·69 | ·6 | 39·01 | ·6 | ·63 |
| ·8 | ·82 | ·8 | ·95 | ·8 | ·31 | ·8 | ·98 |
| 60·0 | 24·04 | 66·0 | 31·21 | 72·0 | ·61 | 78·0 | 49·32 |
| ·2 | ·26 | ·2 | ·47 | ·2 | ·91 | ·2 | ·67 |
| ·4 | ·48 | ·4 | ·73 | ·4 | 40·21 | ·4 | 50·02 |
| ·6 | ·70 | ·6 | ·99 | ·6 | ·52 | ·6 | ·37 |
| ·8 | ·92 | ·8 | 32·26 | ·8 | ·83 | ·8 | ·72 |

TABLE II.—MALES (*Continued*)

Showing the normal *weight* in kilograms calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms |
|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|
| 79.0 | 51.07 | 85.0 | 62.42 | 91.0 | 75.24 | 97.0 | 89.62 |
| .2 | .43 | .2 | .82 | .2 | .69 | .2 | 90.13 |
| .4 | .78 | .4 | 63.22 | .4 | 76.15 | .4 | .64 |
| .6 | 52.14 | .6 | .63 | .6 | .61 | .6 | 91.15 |
| .8 | .50 | .8 | 64.04 | .8 | 77.06 | .8 | .65 |
| 80.0 | .86 | 86.0 | .45 | 92.0 | .53 | 98.0 | 92.18 |
| .2 | 53.22 | .2 | .86 | .2 | .99 | .2 | .69 |
| .4 | .59 | .4 | 65.27 | .4 | 78.45 | .4 | 93.21 |
| .6 | .96 | .6 | .69 | .6 | .92 | .6 | .73 |
| .8 | 54.32 | .8 | 66.10 | .8 | 79.39 | .8 | 94.25 |
| 81.0 | .70 | 87.0 | .52 | 93.0 | .86 | 99.0 | .78 |
| .2 | 55.07 | .2 | .94 | .2 | 80.33 | .2 | 95.30 |
| .4 | .43 | .4 | 67.36 | .4 | .80 | .4 | .83 |
| .6 | .81 | .6 | .78 | .6 | 81.28 | .6 | 96.36 |
| .8 | 56.19 | .8 | 68.21 | .8 | .75 | .8 | .89 |
| 82.0 | .56 | 88.0 | .64 | 94.0 | 82.23 | 100.0 | 97.42 |
| .2 | .94 | .2 | 69.07 | .2 | .71 | .2 | .96 |
| .4 | 57.32 | .4 | .49 | .4 | 83.19 | .4 | 98.49 |
| .6 | .71 | .6 | .93 | .6 | .68 | .6 | 99.03 |
| .8 | 58.09 | .8 | 70.36 | .8 | 84.16 | .8 | .57 |
| 83.0 | .47 | 89.0 | .80 | 95.0 | .65 | 101.0 | 100.11 |
| .2 | .86 | .2 | 71.23 | .2 | 85.14 | .2 | .66 |
| .4 | 59.25 | .4 | .67 | .4 | .63 | .4 | 101.21 |
| .6 | .64 | .6 | 72.11 | .6 | 86.12 | .6 | .75 |
| .8 | 60.03 | .8 | .55 | .8 | .62 | .8 | 102.30 |
| 84.0 | .42 | 90.0 | .99 | 96.0 | 87.11 | 102.0 | .85 |
| .2 | .82 | .2 | 73.44 | .2 | .62 | .2 | 103.41 |
| .4 | 61.21 | .4 | .89 | .4 | 88.11 | .4 | .96 |
| .6 | .61 | .6 | 74.34 | .6 | .62 | .6 | 104.52 |
| .8 | 62.01 | .8 | .79 | .8 | 89.12 | .8 | 105.08 |

TABLE II.—MALES (*Continued*)

Showing the normal *weight* in kilograms calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms | Chest in Centi- metres | Weight in Kilograms |
|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|
| 103·0 | 105·64 | 106·0 | 114·29 | 109·0 | 123·37 | 112·0 | 132·90 |
| ·2 | 106·20 | ·2 | ·88 | ·2 | ·99 | | |
| ·4 | ·77 | ·4 | 115·47 | ·4 | 124·61 | | |
| ·6 | 107·34 | ·6 | 116·07 | ·6 | 125·23 | | |
| ·8 | ·91 | ·8 | ·66 | ·8 | ·86 | | |
| 104·0 | 108·47 | 107·0 | 117·26 | 110·0 | 126·49 | | |
| ·2 | 109·05 | ·2 | ·86 | ·2 | 127·12 | | |
| ·4 | ·62 | ·4 | 118·47 | ·4 | ·76 | | |
| ·6 | 110·17 | ·6 | 119·07 | ·6 | 128·40 | | |
| ·8 | ·78 | ·8 | ·68 | ·8 | 129·03 | | |
| 105·0 | 111·36 | 108·0 | 120·29 | 111·0 | ·66 | | |
| ·2 | ·94 | ·2 | ·90 | ·2 | 130·31 | | |
| ·4 | 112·52 | ·4 | 121·52 | ·4 | ·95 | | |
| ·6 | 113·10 | ·6 | 122·13 | ·6 | 131·59 | | |
| ·8 | ·70 | ·8 | ·75 | ·8 | 132·24 | | |

Table III.—MALES

Showing the normal circumference of the *chest* in centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres |
|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|
| 60·0 | 54·10 | 66·0 | 60·34 | 72·0 | 66·65 | 78·0 | 73·04 |
| ·2 | ·31 | ·2 | ·55 | ·2 | ·86 | ·2 | ·26 |
| ·4 | ·52 | ·4 | ·76 | ·4 | 67·08 | ·4 | ·47 |
| ·6 | ·72 | ·6 | ·96 | ·6 | ·29 | ·6 | ·69 |
| ·8 | ·93 | ·8 | 61·17 | ·8 | ·50 | ·8 | ·90 |
| 61·0 | 55·13 | 67·0 | ·38 | 73·0 | ·71 | 79·0 | 74·12 |
| ·2 | ·34 | ·2 | ·59 | ·2 | ·92 | ·2 | ·33 |
| ·4 | ·55 | ·4 | ·80 | ·4 | 68·14 | ·4 | ·55 |
| ·6 | ·76 | ·6 | 62·01 | ·6 | ·35 | ·6 | ·76 |
| ·8 | ·96 | ·8 | ·22 | ·8 | ·56 | ·8 | ·98 |
| 62·0 | 56·17 | 68·0 | ·43 | 74·0 | ·77 | 80·0 | 75·19 |
| ·2 | ·38 | ·2 | ·64 | ·2 | ·99 | ·2 | ·41 |
| ·4 | ·58 | ·4 | ·85 | ·4 | 69·20 | ·4 | ·62 |
| ·6 | ·79 | ·6 | 63·06 | ·6 | ·41 | ·6 | ·84 |
| ·8 | 57·00 | ·8 | ·27 | ·8 | ·63 | ·8 | 76·05 |
| 63·0 | ·21 | 69·0 | ·48 | 75·0 | ·84 | 81·0 | ·27 |
| ·2 | ·42 | ·2 | ·69 | ·2 | 70·05 | ·2 | ·48 |
| ·4 | ·62 | ·4 | ·90 | ·4 | ·27 | ·4 | ·70 |
| ·6 | ·83 | ·6 | 64·12 | ·6 | ·48 | ·6 | ·92 |
| ·8 | 58·04 | ·8 | ·33 | ·8 | ·69 | ·8 | 77·13 |
| 64·0 | ·25 | 70·0 | ·54 | 76·0 | ·90 | 82·0 | ·35 |
| ·2 | ·46 | ·2 | ·75 | ·2 | 71·12 | ·2 | ·56 |
| ·4 | ·67 | ·4 | ·96 | ·4 | ·33 | ·4 | ·78 |
| ·6 | ·87 | ·6 | 65·17 | ·6 | ·55 | ·6 | ·99 |
| ·8 | 59·08 | ·8 | ·38 | ·8 | ·76 | ·8 | 78·21 |
| 65·0 | ·29 | 71·0 | ·59 | 77·0 | ·97 | 83·0 | ·43 |
| ·2 | ·50 | ·2 | ·81 | ·2 | 72·19 | ·2 | ·64 |
| ·4 | ·71 | ·4 | 66·02 | ·4 | ·40 | ·4 | ·86 |
| ·6 | ·92 | ·6 | ·23 | ·6 | ·62 | ·6 | 79·08 |
| ·8 | 60·13 | ·8 | ·41 | ·8 | ·83 | ·8 | ·29 |

Table III.—MALES (*Continued*)

Showing the normal circumference of the *chest* in centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres |
|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|
| 84.0 | 79.51 | 90.0 | 86.04 | 96.0 | 92.63 | 102.0 | 99.29 |
| .2 | .72 | .2 | .26 | .2 | .85 | .2 | .51 |
| .4 | .94 | .4 | .48 | .4 | 93.07 | .4 | .73 |
| .6 | 80.16 | .6 | .70 | .6 | .30 | .6 | .96 |
| .8 | .38 | .8 | .92 | .8 | .52 | .8 | 100.18 |
| 85.0 | .59 | 91.0 | 87.13 | 97.0 | .74 | 103.0 | .40 |
| .2 | .81 | .2 | .35 | .2 | .96 | .2 | .62 |
| .4 | 81.03 | .4 | .57 | .4 | 94.18 | .4 | .85 |
| .6 | .24 | .6 | .79 | .6 | .40 | .6 | 101.07 |
| .8 | .46 | .8 | 88.01 | .8 | .62 | .8 | .30 |
| 86.0 | .68 | 92.0 | .23 | 98.0 | .85 | 104.0 | .52 |
| .2 | .90 | .2 | .45 | .2 | 95.07 | .2 | .74 |
| .4 | 82.11 | .4 | .67 | .4 | .29 | .4 | .96 |
| .6 | .33 | .6 | .89 | .6 | .51 | .6 | 102.19 |
| .8 | .55 | .8 | 89.11 | .8 | .73 | .8 | .41 |
| 87.0 | .77 | 93.0 | .33 | 99.0 | .95 | 105.0 | .64 |
| .2 | .98 | .2 | .55 | .2 | 96.18 | .2 | .86 |
| .4 | 83.20 | .4 | .77 | .4 | .40 | .4 | 103.08 |
| .6 | .42 | .6 | .99 | .6 | .62 | .6 | .30 |
| .8 | .64 | .8 | 90.21 | .8 | .84 | .8 | .53 |
| 88.0 | .85 | 94.0 | .43 | 100.0 | 97.06 | 106.0 | .75 |
| .2 | 84.07 | .2 | .65 | .2 | .29 | .2 | .98 |
| .4 | .29 | .4 | .87 | .4 | .51 | .4 | 104.20 |
| .6 | .51 | .6 | 91.09 | .6 | .73 | .6 | .43 |
| .8 | .73 | .8 | .31 | .8 | .95 | .8 | .65 |
| 89.0 | .95 | 95.0 | .53 | 101.0 | 98.17 | 107.0 | .87 |
| .2 | 85.16 | .2 | .75 | .2 | .40 | .2 | 105.10 |
| .4 | .38 | .4 | .97 | .4 | .62 | .4 | .32 |
| .6 | .60 | .6 | 92.19 | .6 | .84 | .6 | .55 |
| .8 | .82 | .8 | .41 | .8 | 99.07 | .8 | .77 |

Table III.—MALES (*Continued*)

Showing the normal circumference of the *chest* in centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres |
|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|
| 108·0 | 105·99 | 110·0 | 108·25 | 112·0 | 110·50 | 114·0 | 112·76 |
| ·2 | 106·22 | ·2 | ·47 | ·2 | ·73 | ·2 | ·99 |
| ·4 | ·45 | ·4 | ·70 | ·4 | ·95 | ·4 | 113·22 |
| ·6 | ·67 | ·6 | ·92 | ·6 | 111·18 | ·6 | ·44 |
| ·8 | ·90 | ·8 | 109·15 | ·8 | ·40 | ·8 | ·67 |
| 109·0 | 107·12 | 111·0 | ·38 | 113·0 | ·63 | 115·0 | ·89 |
| ·2 | ·34 | ·2 | ·60 | ·2 | ·86 | | |
| ·4 | ·57 | ·4 | ·82 | ·4 | 112·05 | | |
| ·6 | ·80 | ·6 | 110·05 | ·6 | ·31 | | |
| ·8 | 108·02 | ·8 | ·28 | ·8 | ·54 | | |

Table IV.—MALES

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in kilograms.

| Weight in Kilograms | Vital Capacity in Cubic Centimetres | | | Weight in Kilograms | Vital Capacity in Cubic Centimetres | | |
|---------------------------|--|---------|---------|---------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 20·0 | 1811 | 1653 | 1547 | 35·0 | 2710 | 2474 | 2314 |
| ·5 | 1843 | 1683 | 1574 | ·5 | 2737 | 2499 | 2338 |
| 21·0 | 1876 | 1712 | 1602 | 36·0 | 2765 | 2524 | 2361 |
| ·5 | 1908 | 1742 | 1629 | ·5 | 2793 | 2550 | 2385 |
| 22·0 | 1940 | 1771 | 1656 | 37·0 | 2820 | 2575 | 2408 |
| ·5 | 1971 | 1800 | 1683 | ·5 | 2847 | 2600 | 2432 |
| 23·0 | 2003 | 1828 | 1710 | 38·0 | 2875 | 2625 | 2455 |
| ·5 | 2034 | 1857 | 1737 | ·5 | 2902 | 2649 | 2478 |
| 24·0 | 2065 | 1885 | 1763 | 39·0 | 2929 | 2674 | 2501 |
| ·5 | 2096 | 1914 | 1790 | ·5 | 2956 | 2699 | 2524 |
| 25·0 | 2127 | 1942 | 1816 | 40·0 | 2983 | 2723 | 2547 |
| ·5 | 2157 | 1969 | 1842 | ·5 | 3010 | 2748 | 2570 |
| 26·0 | 2187 | 1997 | 1868 | 41·0 | 3036 | 2772 | 2593 |
| ·5 | 2218 | 2025 | 1894 | ·5 | 3063 | 2797 | 2616 |
| 27·0 | 2248 | 2052 | 1920 | 42·0 | 3090 | 2821 | 2638 |
| ·5 | 2278 | 2079 | 1945 | ·5 | 3116 | 2845 | 2661 |
| 28·0 | 2307 | 2107 | 1970 | 43·0 | 3142 | 2869 | 2684 |
| ·5 | 2337 | 2134 | 1996 | ·5 | 3169 | 2893 | 2706 |
| 29·0 | 2366 | 2161 | 2021 | 44·0 | 3195 | 2917 | 2728 |
| ·5 | 2396 | 2187 | 2046 | ·5 | 3221 | 2941 | 2751 |
| 30·0 | 2425 | 2214 | 2071 | 45·0 | 3247 | 2964 | 2773 |
| ·5 | 2454 | 2240 | 2096 | ·5 | 3273 | 2988 | 2795 |
| 31·0 | 2483 | 2267 | 2120 | 46·0 | 3299 | 3012 | 2817 |
| ·5 | 2512 | 2293 | 2145 | ·5 | 3324 | 3035 | 2839 |
| 32·0 | 2540 | 2319 | 2169 | 47·0 | 3350 | 3059 | 2861 |
| ·5 | 2569 | 2345 | 2194 | ·5 | 3376 | 3082 | 2883 |
| 33·0 | 2597 | 2371 | 2218 | 48·0 | 3401 | 3105 | 2905 |
| ·5 | 2625 | 2397 | 2242 | ·5 | 3427 | 3129 | 2927 |
| 34·0 | 2654 | 2423 | 2266 | 49·0 | 3452 | 3152 | 2948 |
| ·5 | 2682 | 2448 | 2290 | ·5 | 3478 | 3175 | 2970 |

TABLE IV.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in kilograms.

| Weight in Kilograms | Vital Capacity in Cubic Centimetres | | | Weight in Kilograms | Vital Capacity in Cubic Centimetres | | |
|---------------------------|--|---------|---------|---------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 50·0 | 3503 | 3198 | 2991 | 65·0 | 4231 | 3863 | 3613 |
| ·5 | 3528 | 3221 | 3013 | ·5 | 4255 | 3884 | 3633 |
| 51·0 | 3553 | 3244 | 3034 | 66·0 | 4278 | 3906 | 3653 |
| ·5 | 3578 | 3267 | 3056 | ·5 | 4301 | 3927 | 3673 |
| 52·0 | 3603 | 3290 | 3077 | 67·0 | 4324 | 3948 | 3693 |
| ·5 | 3628 | 3313 | 3098 | ·5 | 4348 | 3970 | 3713 |
| 53·0 | 3653 | 3335 | 3120 | 68·0 | 4371 | 3991 | 3733 |
| ·5 | 3678 | 3358 | 3141 | ·5 | 4394 | 4012 | 3752 |
| 54·0 | 3702 | 3380 | 3162 | 69·0 | 4417 | 4033 | 3772 |
| ·5 | 3727 | 3403 | 3183 | ·5 | 4440 | 4054 | 3792 |
| 55·0 | 3752 | 3425 | 3204 | 70·0 | 4463 | 4075 | 3811 |
| ·5 | 3776 | 3448 | 3225 | ·5 | 4486 | 4096 | 3831 |
| 56·0 | 3801 | 3470 | 3246 | 71·0 | 4509 | 4117 | 3851 |
| ·5 | 3825 | 3492 | 3267 | ·5 | 4532 | 4137 | 3870 |
| 57·0 | 3849 | 3514 | 3287 | 72·0 | 4554 | 4158 | 3890 |
| ·5 | 3874 | 3537 | 3308 | ·5 | 4577 | 4179 | 3909 |
| 58·0 | 3898 | 3559 | 3329 | 73·0 | 4600 | 4200 | 3928 |
| ·5 | 3922 | 3581 | 3350 | ·5 | 4623 | 4220 | 3948 |
| 59·0 | 3946 | 3603 | 3370 | 74·0 | 4645 | 4241 | 3967 |
| ·5 | 3970 | 3625 | 3391 | ·5 | 4668 | 4262 | 3986 |
| 60·0 | 3994 | 3647 | 3411 | 75·0 | 4690 | 4282 | 4005 |
| ·5 | 4018 | 3669 | 3432 | ·5 | 4713 | 4303 | 4025 |
| 61·0 | 4042 | 3690 | 3452 | 76·0 | 4735 | 4323 | 4044 |
| ·5 | 4066 | 3712 | 3472 | ·5 | 4758 | 4344 | 4063 |
| 62·0 | 4090 | 3734 | 3492 | 77·0 | 4780 | 4364 | 4082 |
| ·5 | 4113 | 3755 | 3513 | ·5 | 4802 | 4385 | 4101 |
| 63·0 | 4137 | 3777 | 3533 | 78·0 | 4825 | 4405 | 4120 |
| ·5 | 4161 | 3799 | 3553 | ·5 | 4847 | 4425 | 4139 |
| 64·0 | 4184 | 3820 | 3573 | 79·0 | 4869 | 4445 | 4158 |
| ·5 | 4208 | 3842 | 3593 | ·5 | 4891 | 4466 | 4177 |

Table IV.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in kilograms.

| Weight in Kilograms | Vital Capacity in Cubic Centimetres | | | Weight in Kilograms | Vital Capacity in Cubic Centimetres | | |
|---------------------------|--|---------|---------|---------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 80.0 | 4913 | 4486 | 4196 | 95.0 | 5561 | 5077 | 4749 |
| .5 | 4936 | 4506 | 4215 | .5 | 5582 | 5096 | 4767 |
| 81.0 | 4958 | 4526 | 4234 | 96.0 | 5603 | 5115 | 4785 |
| .5 | 4980 | 4546 | 4253 | .5 | 5624 | 5134 | 4803 |
| 82.0 | 5001 | 4566 | 4271 | 97.0 | 5644 | 5153 | 4820 |
| .5 | 5023 | 4586 | 4290 | .5 | 5665 | 5173 | 4838 |
| 83.0 | 5045 | 4606 | 4309 | 98.0 | 5686 | 5192 | 4856 |
| .5 | 5067 | 4626 | 4327 | .5 | 5707 | 5211 | 4874 |
| 84.0 | 5089 | 4646 | 4346 | 99.0 | 5728 | 5230 | 4892 |
| .5 | 5111 | 4666 | 4365 | .5 | 5749 | 5249 | 4910 |
| 85.0 | 5133 | 4686 | 4383 | 100.0 | 5770 | 5268 | 4927 |
| .5 | 5154 | 4706 | 4402 | .5 | 5790 | 5287 | 4945 |
| 86.0 | 5176 | 4726 | 4420 | 101.0 | 5811 | 5306 | 4963 |
| .5 | 5198 | 4745 | 4439 | .5 | 5832 | 5325 | 4980 |
| 87.0 | 5219 | 4765 | 4457 | 102.0 | 5853 | 5343 | 4998 |
| .5 | 5241 | 4785 | 4476 | .5 | 5873 | 5362 | 5016 |
| 88.0 | 5262 | 4805 | 4494 | 103.0 | 5894 | 5381 | 5033 |
| .5 | 5284 | 4824 | 4513 | .5 | 5914 | 5400 | 5051 |
| 89.0 | 5305 | 4844 | 4531 | 104.0 | 5935 | 5419 | 5068 |
| .5 | 5327 | 4863 | 4549 | .5 | 5956 | 5437 | 5086 |
| 90.0 | 5348 | 4883 | 4567 | 105.0 | 5976 | 5456 | 5104 |
| .5 | 5370 | 4902 | 4586 | .5 | 5996 | 5475 | 5121 |
| 91.0 | 5391 | 4922 | 4604 | 106.0 | 6017 | 5493 | 5138 |
| .5 | 5412 | 4941 | 4622 | .5 | 6037 | 5512 | 5156 |
| 92.0 | 5434 | 4961 | 4640 | 107.0 | 6058 | 5531 | 5173 |
| .5 | 5455 | 4980 | 4658 | .5 | 6078 | 5549 | 5191 |
| 93.0 | 5476 | 5000 | 4677 | 108.0 | 6098 | 5568 | 5208 |
| .5 | 5497 | 5019 | 4695 | .5 | 6119 | 5586 | 5225 |
| 94.0 | 5518 | 5038 | 4713 | 109.0 | 6139 | 5605 | 5243 |
| .5 | 5539 | 5058 | 4731 | .5 | 6159 | 5623 | 5260 |

Table IV.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in kilograms.

| Weight in Kilograms | Vital Capacity in Cubic Centimetres | | | Weight in Kilograms | Vital Capacity in Cubic Centimetres | | |
|---------------------------|--|---------|---------|---------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 110·0 | 6180 | 5642 | 5277 | 120·0 | 6579 | 6007 | 5619 |
| ·5 | 6200 | 5660 | 5295 | ·5 | 6599 | 6025 | 5635 |
| 111·0 | 6220 | 5679 | 5312 | 121·0 | 6619 | 6043 | 5652 |
| ·5 | 6240 | 5697 | 5329 | ·5 | 6638 | 6061 | 5669 |
| 112·0 | 6260 | 5716 | 5346 | 122·0 | 6658 | 6079 | 5686 |
| ·5 | 6280 | 5734 | 5363 | ·5 | 6677 | 6097 | 5703 |
| 113·0 | 6300 | 5752 | 5381 | 123·0 | 6697 | 6115 | 5719 |
| ·5 | 6321 | 5771 | 5398 | ·5 | 6717 | 6132 | 5736 |
| 114·0 | 6340 | 5789 | 5415 | 124·0 | 6736 | 6150 | 5753 |
| ·5 | 6361 | 5807 | 5432 | ·5 | 6756 | 6168 | 5769 |
| 115·0 | 6380 | 5825 | 5449 | 125·0 | 6775 | 6186 | 5786 |
| ·5 | 6400 | 5844 | 5466 | ·5 | 6795 | 6204 | 5803 |
| 116·0 | 6420 | 5862 | 5483 | 126·0 | 6814 | 6222 | 5819 |
| ·5 | 6440 | 5880 | 5500 | ·5 | 6834 | 6239 | 5836 |
| 117·0 | 6460 | 5898 | 5517 | 127·0 | 6853 | 6257 | 5853 |
| ·5 | 6480 | 5916 | 5534 | ·5 | 6873 | 6275 | 5869 |
| 118·0 | 6500 | 5934 | 5551 | 128·0 | 6892 | 6292 | 5886 |
| ·5 | 6520 | 5953 | 5568 | ·5 | 6911 | 6310 | 5902 |
| 119·0 | 6540 | 5971 | 5585 | 129·0 | 6931 | 6328 | 5919 |
| ·5 | 6559 | 5989 | 5602 | ·5 | 6950 | 6345 | 5935 |

Table V.—MALES

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Vital Capacity in Cubic Centimetres | | | Length in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|----------------------------------|--|---------|---------|----------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 60·0 | 1686 | 1539 | 1439 | 66·0 | 2090 | 1908 | 1785 |
| ·2 | 1698 | 1551 | 1450 | ·2 | 2104 | 1921 | 1797 |
| ·4 | 1711 | 1562 | 1461 | ·4 | 2119 | 1935 | 1810 |
| ·6 | 1724 | 1574 | 1472 | ·6 | 2133 | 1948 | 1822 |
| ·8 | 1737 | 1586 | 1483 | ·8 | 2148 | 1961 | 1834 |
| 61·0 | 1750 | 1597 | 1494 | 67·0 | 2162 | 1974 | 1847 |
| ·2 | 1763 | 1609 | 1505 | ·2 | 2177 | 1987 | 1859 |
| ·4 | 1776 | 1621 | 1516 | ·4 | 2192 | 2001 | 1872 |
| ·6 | 1789 | 1633 | 1528 | ·6 | 2206 | 2014 | 1884 |
| ·8 | 1802 | 1645 | 1539 | ·8 | 2221 | 2028 | 1897 |
| 62·0 | 1815 | 1657 | 1550 | 68·0 | 2236 | 2041 | 1909 |
| ·2 | 1828 | 1669 | 1561 | ·2 | 2251 | 2055 | 1922 |
| ·4 | 1842 | 1681 | 1573 | ·4 | 2266 | 2069 | 1935 |
| ·6 | 1854 | 1693 | 1584 | ·6 | 2281 | 2082 | 1948 |
| ·8 | 1868 | 1706 | 1596 | ·8 | 2296 | 2096 | 1960 |
| 63·0 | 1882 | 1718 | 1607 | 69·0 | 2311 | 2110 | 1973 |
| ·2 | 1895 | 1730 | 1619 | ·2 | 2326 | 2124 | 1986 |
| ·4 | 1909 | 1743 | 1630 | ·4 | 2341 | 2137 | 1999 |
| ·6 | 1923 | 1755 | 1642 | ·6 | 2356 | 2151 | 2012 |
| ·8 | 1936 | 1768 | 1653 | ·8 | 2372 | 2165 | 2025 |
| 64·0 | 1950 | 1780 | 1665 | 70·0 | 2387 | 2179 | 2038 |
| ·2 | 1964 | 1793 | 1677 | ·2 | 2402 | 2193 | 2052 |
| ·4 | 1978 | 1806 | 1689 | ·4 | 2418 | 2208 | 2065 |
| ·6 | 1991 | 1818 | 1701 | ·6 | 2433 | 2222 | 2078 |
| ·8 | 2005 | 1831 | 1713 | ·8 | 2449 | 2236 | 2091 |
| 65·0 | 2019 | 1844 | 1725 | 71·0 | 2465 | 2250 | 2105 |
| ·2 | 2033 | 1856 | 1736 | ·2 | 2480 | 2264 | 2118 |
| ·4 | 2047 | 1869 | 1749 | ·4 | 2496 | 2279 | 2132 |
| ·6 | 2062 | 1882 | 1761 | ·6 | 2512 | 2293 | 2145 |
| ·8 | 2076 | 1895 | 1773 | ·8 | 2528 | 2308 | 2159 |

Table V.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Vital Capacity in Cubic Centimetres | | | Length in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|----------------------------------|--|---------|---------|----------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 72·0 | 2544 | 2322 | 2172 | 78·0 | 3047 | 2782 | 2602 |
| ·2 | 2559 | 2336 | 2185 | ·2 | 3065 | 2798 | 2617 |
| ·4 | 2576 | 2352 | 2200 | ·4 | 3083 | 2815 | 2633 |
| ·6 | 2592 | 2366 | 2213 | ·6 | 3100 | 2831 | 2648 |
| ·8 | 2608 | 2381 | 2227 | ·8 | 3118 | 2847 | 2663 |
| 73·0 | 2624 | 2396 | 2241 | 79·0 | 3136 | 2863 | 2678 |
| ·2 | 2640 | 2411 | 2255 | ·2 | 3154 | 2880 | 2694 |
| ·4 | 2647 | 2426 | 2269 | ·4 | 3172 | 2896 | 2709 |
| ·6 | 2673 | 2440 | 2283 | ·6 | 3190 | 2913 | 2724 |
| ·8 | 2689 | 2455 | 2297 | ·8 | 3208 | 2929 | 2740 |
| 74·0 | 2706 | 2470 | 2311 | 80·0 | 3226 | 2946 | 2755 |
| ·2 | 2722 | 2486 | 2325 | ·2 | 3245 | 2962 | 2771 |
| ·4 | 2739 | 2501 | 2339 | ·4 | 3263 | 2979 | 2787 |
| ·6 | 2756 | 2516 | 2353 | ·6 | 3281 | 2996 | 2802 |
| ·8 | 2772 | 2531 | 2368 | ·8 | 3300 | 3013 | 2818 |
| 75·0 | 2789 | 2546 | 2382 | 81·0 | 3318 | 3030 | 2834 |
| ·2 | 2806 | 2562 | 2396 | ·2 | 3337 | 3047 | 2850 |
| ·4 | 2823 | 2577 | 2411 | ·4 | 3355 | 3063 | 2865 |
| ·6 | 2840 | 2593 | 2425 | ·6 | 3374 | 3080 | 2881 |
| ·8 | 2857 | 2608 | 2440 | ·8 | 3393 | 3097 | 2897 |
| 76·0 | 2874 | 2624 | 2454 | 82·0 | 3411 | 3115 | 2913 |
| ·2 | 2891 | 2639 | 2469 | ·2 | 3430 | 3132 | 2929 |
| ·4 | 2908 | 2655 | 2483 | ·4 | 3449 | 3149 | 2946 |
| ·6 | 2925 | 2671 | 2498 | ·6 | 3468 | 3166 | 2962 |
| ·8 | 2943 | 2687 | 2513 | ·8 | 3487 | 3184 | 2978 |
| 77·0 | 2960 | 2702 | 2528 | 83·0 | 3506 | 3201 | 2994 |
| ·2 | 2977 | 2718 | 2543 | ·2 | 3525 | 3218 | 3010 |
| ·4 | 2995 | 2734 | 2557 | ·4 | 3544 | 3236 | 3027 |
| ·6 | 3012 | 2750 | 2572 | ·6 | 3564 | 3254 | 3043 |
| ·8 | 3030 | 2766 | 2587 | ·8 | 3583 | 3271 | 3060 |

Table V.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Vital Capacity in Cubic Centimetres | | | Length in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|----------------------------------|--|---------|---------|----------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 84·0 | 3602 | 3289 | 3076 | 90·0 | 4209 | 3843 | 3594 |
| ·2 | 3621 | 3306 | 3093 | ·2 | 4230 | 3862 | 3613 |
| ·4 | 3641 | 3324 | 3109 | ·4 | 4251 | 3882 | 3631 |
| ·6 | 3660 | 3342 | 3126 | ·6 | 4273 | 3901 | 3649 |
| ·8 | 3680 | 3360 | 3143 | ·8 | 4294 | 3920 | 3667 |
| 85·0 | 3700 | 3378 | 3160 | 91·0 | 4315 | 3940 | 3685 |
| ·2 | 3719 | 3396 | 3176 | ·2 | 4337 | 3959 | 3704 |
| ·4 | 3739 | 3414 | 3193 | ·4 | 4358 | 3979 | 3722 |
| ·6 | 3759 | 3432 | 3210 | ·6 | 4380 | 3999 | 3740 |
| ·8 | 3779 | 3450 | 3227 | ·8 | 4401 | 4018 | 3759 |
| 86·0 | 3799 | 3468 | 3244 | 92·0 | 4423 | 4038 | 3777 |
| ·2 | 3819 | 3486 | 3261 | ·2 | 4445 | 4058 | 3796 |
| ·4 | 3838 | 3505 | 3278 | ·4 | 4467 | 4078 | 3814 |
| ·6 | 3859 | 3523 | 3295 | ·6 | 4488 | 4098 | 3833 |
| ·8 | 3879 | 3541 | 3312 | ·8 | 4510 | 4118 | 3852 |
| 87·0 | 3899 | 3560 | 3330 | 93·0 | 4532 | 4138 | 3871 |
| ·2 | 3919 | 3578 | 3347 | ·2 | 4554 | 4158 | 3890 |
| ·4 | 3940 | 3597 | 3364 | ·4 | 4577 | 4178 | 3908 |
| ·6 | 3960 | 3615 | 3382 | ·6 | 4599 | 4199 | 3927 |
| ·8 | 3980 | 3634 | 3399 | ·8 | 4621 | 4219 | 3946 |
| 88·0 | 4001 | 3653 | 3417 | 94·0 | 4643 | 4239 | 3965 |
| ·2 | 4021 | 3672 | 3434 | ·2 | 4665 | 4259 | 3984 |
| ·4 | 4042 | 3690 | 3452 | ·4 | 4688 | 4280 | 4003 |
| ·6 | 4063 | 3709 | 3470 | ·6 | 4710 | 4300 | 4022 |
| ·8 | 4083 | 3728 | 3487 | ·8 | 4733 | 4321 | 4042 |
| 89·0 | 4104 | 3747 | 3505 | 95·0 | 4755 | 4341 | 4061 |
| ·2 | 4125 | 3766 | 3523 | ·2 | 4778 | 4362 | 4080 |
| ·4 | 4146 | 3785 | 3541 | ·4 | 4801 | 4383 | 4100 |
| ·6 | 4167 | 3804 | 3559 | ·6 | 4823 | 4404 | 4119 |
| ·8 | 4188 | 3824 | 3577 | ·8 | 4846 | 4425 | 4139 |

Table V.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Vital Capacity in Cubic Centimetres | | | Length in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|----------------------------------|--|---------|---------|----------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 96·0 | 4869 | 4445 | 4158 | 102·0 | 5583 | 5097 | 4768 |
| ·2 | 4892 | 4466 | 4178 | ·2 | 5608 | 5120 | 4789 |
| ·4 | 4915 | 4487 | 4197 | ·4 | 5633 | 5143 | 4810 |
| ·6 | 4938 | 4508 | 4217 | ·6 | 5657 | 5165 | 4831 |
| ·8 | 4961 | 4530 | 4237 | ·8 | 5682 | 5188 | 4853 |
| 97·0 | 4984 | 4551 | 4256 | 103·0 | 5707 | 5211 | 4874 |
| ·2 | 5008 | 4572 | 4276 | ·2 | 5732 | 5234 | 4895 |
| ·4 | 5031 | 4593 | 4296 | ·4 | 5759 | 5258 | 4918 |
| ·6 | 5054 | 4614 | 4316 | ·6 | 5783 | 5280 | 4938 |
| ·8 | 5078 | 4636 | 4336 | ·8 | 5808 | 5303 | 4960 |
| 98·0 | 5101 | 4657 | 4356 | 104·0 | 5833 | 5326 | 4981 |
| ·2 | 5124 | 4679 | 4376 | ·2 | 5858 | 5349 | 5003 |
| ·4 | 5148 | 4700 | 4397 | ·4 | 5884 | 5372 | 5025 |
| ·6 | 5172 | 4722 | 4417 | ·6 | 5909 | 5395 | 5047 |
| ·8 | 5195 | 4743 | 4437 | ·8 | 5935 | 5418 | 5068 |
| 99·0 | 5219 | 4765 | 4457 | 105·0 | 5961 | 5442 | 5090 |
| ·2 | 5242 | 4786 | 4477 | ·2 | 5986 | 5465 | 5112 |
| ·4 | 5267 | 4809 | 4498 | ·4 | 6012 | 5489 | 5134 |
| ·6 | 5291 | 4831 | 4518 | ·6 | 6037 | 5512 | 5156 |
| ·8 | 5315 | 4852 | 4539 | ·8 | 6063 | 5536 | 5178 |
| 100·0 | 5339 | 4874 | 4559 | 106·0 | 6089 | 5560 | 5200 |
| ·2 | 5363 | 4896 | 4580 | ·2 | 6115 | 5583 | 5222 |
| ·4 | 5387 | 4918 | 4601 | ·4 | 6141 | 5607 | 5245 |
| ·6 | 5412 | 4941 | 4621 | ·6 | 6167 | 5631 | 5267 |
| ·8 | 5436 | 4963 | 4642 | ·8 | 6193 | 5655 | 5289 |
| 101·0 | 5460 | 4985 | 4663 | 107·0 | 6220 | 5679 | 5312 |
| ·2 | 5486 | 5008 | 4685 | ·2 | 6246 | 5702 | 5334 |
| ·4 | 5509 | 5030 | 4705 | ·4 | 6272 | 5727 | 5357 |
| ·6 | 5534 | 5052 | 4726 | ·6 | 6299 | 5751 | 5379 |
| ·8 | 5558 | 5075 | 4747 | ·8 | 6325 | 5775 | 5402 |

Table VI.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in centimetres.

| Chest in Centimetres | Vital Capacity in Cubic Centimetres | | | Chest in Centimetres | Vital Capacity in Cubic Centimetres | | |
|----------------------|-------------------------------------|---------|---------|----------------------|-------------------------------------|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 67·0 | 2570 | 2346 | 2194 | 73·0 | 3043 | 2779 | 2599 |
| ·2 | 2585 | 2360 | 2207 | ·2 | 3060 | 2794 | 2613 |
| ·4 | 2600 | 2374 | 2220 | ·4 | 3076 | 2809 | 2627 |
| ·6 | 2615 | 2388 | 2233 | ·6 | 3093 | 2824 | 2641 |
| ·8 | 2631 | 2402 | 2246 | ·8 | 3110 | 2839 | 2656 |
| 68·0 | 2646 | 2416 | 2260 | 74·0 | 3126 | 2854 | 2670 |
| ·2 | 2661 | 2430 | 2273 | ·2 | 3143 | 2869 | 2684 |
| ·4 | 2677 | 2444 | 2286 | ·4 | 3160 | 2885 | 2698 |
| ·6 | 2692 | 2458 | 2299 | ·6 | 3176 | 2900 | 2713 |
| ·8 | 2708 | 2472 | 2312 | ·8 | 3193 | 2915 | 2727 |
| 69·0 | 2723 | 2486 | 2326 | 75·0 | 3210 | 2931 | 2741 |
| ·2 | 2739 | 2500 | 2339 | ·2 | 3227 | 2946 | 2756 |
| ·4 | 2754 | 2515 | 2352 | ·4 | 3244 | 2962 | 2770 |
| ·6 | 2770 | 2529 | 2366 | ·6 | 3261 | 2977 | 2785 |
| ·8 | 2786 | 2543 | 2379 | ·8 | 3278 | 2993 | 2799 |
| 70·0 | 2802 | 2558 | 2393 | 76·0 | 3295 | 3008 | 2814 |
| ·2 | 2817 | 2572 | 2406 | ·2 | 3312 | 3024 | 2829 |
| ·4 | 2833 | 2587 | 2420 | ·4 | 3329 | 3040 | 2843 |
| ·6 | 2849 | 2601 | 2433 | ·6 | 3347 | 3055 | 2858 |
| ·8 | 2865 | 2616 | 2447 | ·8 | 3364 | 3071 | 2873 |
| 71·0 | 2881 | 2630 | 2461 | 77·0 | 3381 | 3087 | 2888 |
| ·2 | 2898 | 2646 | 2475 | ·2 | 3399 | 3103 | 2902 |
| ·4 | 2913 | 2660 | 2488 | ·4 | 3416 | 3119 | 2917 |
| ·6 | 2929 | 2674 | 2502 | ·6 | 3433 | 3135 | 2932 |
| ·8 | 2945 | 2689 | 2515 | ·8 | 3451 | 3151 | 2947 |
| 72·0 | 2962 | 2704 | 2529 | 78·0 | 3468 | 3167 | 2962 |
| ·2 | 2978 | 2719 | 2543 | ·2 | 3486 | 3183 | 2977 |
| ·4 | 2994 | 2734 | 2557 | ·4 | 3504 | 3199 | 2992 |
| ·6 | 3011 | 2749 | 2571 | ·6 | 3521 | 3215 | 3007 |
| ·8 | 3027 | 2764 | 2585 | ·8 | 3539 | 3231 | 3022 |

Table VI.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | | Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|---------------------------------|--|---------|---------|---------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 79·0 | 3557 | 3247 | 3037 | 85·0 | 4109 | 3752 | 3509 |
| ·2 | 3575 | 3264 | 3053 | ·2 | 4128 | 3769 | 3526 |
| ·4 | 3592 | 3280 | 3068 | ·4 | 4148 | 3787 | 3542 |
| ·6 | 3610 | 3296 | 3083 | ·6 | 4167 | 3804 | 3558 |
| ·8 | 3628 | 3312 | 3098 | ·8 | 4186 | 3822 | 3575 |
| 80·0 | 3646 | 3329 | 3114 | 86·0 | 4205 | 3839 | 3591 |
| ·2 | 3664 | 3345 | 3129 | ·2 | 4225 | 3857 | 3608 |
| ·4 | 3682 | 3362 | 3145 | ·4 | 4244 | 3876 | 3624 |
| ·6 | 3700 | 3378 | 3160 | ·6 | 4263 | 3892 | 3641 |
| ·8 | 3718 | 3395 | 3175 | ·8 | 4283 | 3910 | 3657 |
| 81·0 | 3737 | 3411 | 3191 | 87·0 | 4302 | 3928 | 3674 |
| ·2 | 3755 | 3428 | 3207 | ·2 | 4322 | 3946 | 3691 |
| ·4 | 3773 | 3445 | 3222 | ·4 | 4341 | 3964 | 3707 |
| ·6 | 3791 | 3461 | 3238 | ·6 | 4361 | 3981 | 3724 |
| ·8 | 3810 | 3478 | 3253 | ·8 | 4381 | 3999 | 3741 |
| 82·0 | 3828 | 3495 | 3269 | 88·0 | 4400 | 4017 | 3758 |
| ·2 | 3846 | 3512 | 3285 | ·2 | 4420 | 4036 | 3775 |
| ·4 | 3865 | 3529 | 3301 | ·4 | 4440 | 4054 | 3792 |
| ·6 | 3884 | 3546 | 3317 | ·6 | 4460 | 4072 | 3808 |
| ·8 | 3902 | 3563 | 3332 | ·8 | 4480 | 4090 | 3826 |
| 83·0 | 3921 | 3580 | 3348 | 89·0 | 4500 | 4108 | 3843 |
| ·2 | 3939 | 3597 | 3364 | ·2 | 4519 | 4126 | 3860 |
| ·4 | 3958 | 3614 | 3380 | ·4 | 4540 | 4145 | 3877 |
| ·6 | 3977 | 3631 | 3396 | ·6 | 4560 | 4163 | 3894 |
| ·8 | 3996 | 3648 | 3412 | ·8 | 4580 | 4181 | 3911 |
| 84·0 | 4014 | 3665 | 3428 | 90·0 | 4600 | 4200 | 3928 |
| ·2 | 4033 | 3682 | 3444 | ·2 | 4620 | 4218 | 3946 |
| ·4 | 4052 | 3700 | 3461 | ·4 | 4640 | 4237 | 3963 |
| ·6 | 4071 | 3717 | 3477 | ·6 | 4661 | 4255 | 3980 |
| ·8 | 4090 | 3734 | 3493 | ·8 | 4681 | 4274 | 3998 |

Table VI.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | | Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|---------------------------------|--|---------|---------|---------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 91·0 | 4701 | 4292 | 4015 | 97·0 | 5332 | 4868 | 4554 |
| ·2 | 4722 | 4311 | 4032 | ·2 | 5354 | 4888 | 4572 |
| ·4 | 4742 | 4330 | 4050 | ·4 | 5376 | 4908 | 4591 |
| ·6 | 4763 | 4348 | 4067 | ·6 | 5398 | 4928 | 4610 |
| ·8 | 4783 | 4367 | 4085 | ·8 | 5420 | 4948 | 4628 |
| 92·0 | 4804 | 4386 | 4102 | 98·0 | 5441 | 4968 | 4647 |
| ·2 | 4824 | 4405 | 4120 | ·2 | 5463 | 4988 | 4666 |
| ·4 | 4845 | 4423 | 4138 | ·4 | 5485 | 5008 | 4684 |
| ·6 | 4866 | 4442 | 4155 | ·6 | 5507 | 5028 | 4703 |
| ·8 | 4886 | 4461 | 4173 | ·8 | 5529 | 5048 | 4722 |
| 93·0 | 4907 | 4480 | 4191 | 99·0 | 5552 | 5069 | 4741 |
| ·2 | 4928 | 4499 | 4209 | ·2 | 5574 | 5089 | 4760 |
| ·4 | 4949 | 4518 | 4226 | ·4 | 5596 | 5109 | 4779 |
| ·6 | 4970 | 4538 | 4244 | ·6 | 5618 | 5129 | 4798 |
| ·8 | 4991 | 4557 | 4262 | ·8 | 5640 | 5150 | 4817 |
| 94·0 | 5012 | 4576 | 4280 | 100·0 | 5663 | 5170 | 4836 |
| ·2 | 5033 | 4595 | 4298 | ·2 | 5685 | 5190 | 4855 |
| ·4 | 5054 | 4614 | 4316 | ·4 | 5707 | 5211 | 4874 |
| ·6 | 5075 | 4634 | 4334 | ·6 | 5730 | 5231 | 4893 |
| ·8 | 5096 | 4653 | 4352 | ·8 | 5752 | 5252 | 4913 |
| 95·0 | 5118 | 4672 | 4370 | 101·0 | 5775 | 5272 | 4932 |
| ·2 | 5139 | 4692 | 4389 | ·2 | 5798 | 5293 | 4951 |
| ·4 | 5160 | 4711 | 4407 | ·4 | 5820 | 5314 | 4970 |
| ·6 | 5182 | 4731 | 4425 | ·6 | 5843 | 5334 | 4990 |
| ·8 | 5203 | 4750 | 4443 | ·8 | 5866 | 5355 | 5009 |
| 96·0 | 5224 | 4770 | 4462 | 102·0 | 5888 | 5376 | 5029 |
| ·2 | 5246 | 4790 | 4480 | ·2 | 5911 | 5397 | 5048 |
| ·4 | 5267 | 4809 | 4498 | ·4 | 5934 | 5418 | 5068 |
| ·6 | 5289 | 4829 | 4517 | ·6 | 5957 | 5439 | 5087 |
| ·8 | 5311 | 4849 | 4535 | ·8 | 5980 | 5459 | 5107 |

Table VI.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | | Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|---------------------------------|--|---------|---------|---------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 103·0 | 6003 | 5481 | 5126 | 108·0 | 6591 | 6018 | 5629 |
| ·2 | 6026 | 5502 | 5146 | ·2 | 6615 | 6040 | 5650 |
| ·4 | 6049 | 5523 | 5166 | ·4 | 6639 | 6062 | 5670 |
| ·6 | 6072 | 5544 | 5185 | ·6 | 6664 | 6084 | 5691 |
| ·8 | 6095 | 5565 | 5205 | ·8 | 6688 | 6106 | 5712 |
| 104·0 | 6118 | 5586 | 5225 | 109·0 | 6712 | 6128 | 5732 |
| ·2 | 6141 | 5607 | 5245 | ·2 | 6736 | 6150 | 5753 |
| ·4 | 6165 | 5628 | 5265 | ·4 | 6761 | 6173 | 5774 |
| ·6 | 6188 | 5650 | 5285 | ·6 | 6785 | 6195 | 5794 |
| ·8 | 6211 | 5671 | 5305 | ·8 | 6810 | 6217 | 5815 |
| 105·0 | 6235 | 5692 | 5325 | 110·0 | 6834 | 6240 | 5836 |
| ·2 | 6258 | 5714 | 5345 | ·2 | 6859 | 6262 | 5857 |
| ·4 | 6282 | 5735 | 5365 | ·4 | 6883 | 6285 | 5878 |
| ·6 | 6305 | 5757 | 5385 | ·6 | 6908 | 6307 | 5899 |
| ·8 | 6329 | 5778 | 5405 | ·8 | 6933 | 6329 | 5920 |
| 106·0 | 6353 | 5800 | 5425 | 111·0 | 6957 | 6352 | 5941 |
| ·2 | 6376 | 5821 | 5445 | ·2 | 6982 | 6374 | 5963 |
| ·4 | 6400 | 5843 | 5466 | ·4 | 7007 | 6397 | 5984 |
| ·6 | 6424 | 5865 | 5486 | ·6 | 7032 | 6420 | 6005 |
| ·8 | 6447 | 5886 | 5506 | ·8 | 7057 | 6443 | 6026 |
| 107·0 | 6471 | 5908 | 5526 | 112·0 | 7082 | 6466 | 6048 |
| ·2 | 6495 | 5930 | 5547 | | | | |
| ·4 | 6519 | 5952 | 5567 | | | | |
| ·6 | 6543 | 5974 | 5588 | | | | |
| ·8 | 6567 | 5996 | 5608 | | | | |

Table VII.—FEMALES

Showing the normal *weight* in kilograms calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms | Length in Centi- metres | Weight in Kilograms |
|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|
| 55.0 | 14.00 | 61.0 | 19.50 | 67.0 | 26.31 | 73.0 | 34.60 |
| .2 | .17 | .2 | .70 | .2 | .56 | .2 | .91 |
| .4 | .33 | .4 | .91 | .4 | .82 | .4 | 35.21 |
| .6 | .51 | .6 | 20.12 | .6 | 27.07 | .6 | .52 |
| .8 | .67 | .8 | .32 | .8 | .33 | .8 | .83 |
| 56.0 | .84 | 62.0 | .54 | 68.0 | .59 | 74.0 | 36.14 |
| .2 | 15.01 | .2 | .75 | .2 | .84 | .2 | .45 |
| .4 | .18 | .4 | .96 | .4 | 28.11 | .4 | .77 |
| .6 | .35 | .6 | 21.18 | .6 | .37 | .6 | 37.09 |
| .8 | .52 | .8 | .39 | .8 | .64 | .8 | .40 |
| 57.0 | .70 | 63.0 | .61 | 69.0 | .90 | 75.0 | .72 |
| .2 | .87 | .2 | .83 | .2 | 29.17 | .2 | 38.05 |
| .4 | 16.05 | .4 | 22.05 | .4 | .44 | .4 | .37 |
| .6 | .23 | .6 | .28 | .6 | .71 | .6 | .70 |
| .8 | .41 | .8 | .50 | .8 | .99 | .8 | 39.03 |
| 58.0 | .60 | 64.0 | .73 | 70.0 | 30.26 | 76.0 | .35 |
| .2 | .78 | .2 | .96 | .2 | .54 | .2 | .69 |
| .4 | .96 | .4 | 23.19 | .4 | .82 | .4 | 40.02 |
| .6 | 17.15 | .6 | .42 | .6 | 31.10 | .6 | .36 |
| .8 | .34 | .8 | .65 | .8 | .38 | .8 | .69 |
| 59.0 | .54 | 65.0 | .8 | 71.0 | .67 | 77.0 | 41.03 |
| .2 | .72 | .2 | 24.12 | .2 | .95 | .2 | .38 |
| .4 | .91 | .4 | .36 | .4 | 32.24 | .4 | .72 |
| .6 | 18.10 | .6 | .59 | .6 | .53 | .6 | 42.06 |
| .8 | .30 | .8 | .83 | .8 | .82 | .8 | .41 |
| 60.0 | .49 | 66.0 | 25.07 | 72.0 | 33.11 | 78.0 | .76 |
| .2 | .69 | .2 | .32 | .2 | .41 | .2 | 43.11 |
| .4 | .89 | .4 | .57 | .4 | .70 | .4 | .47 |
| .6 | 19.09 | .6 | .81 | .6 | 34.00 | .6 | .82 |
| .8 | .29 | .8 | 26.06 | .8 | .30 | .8 | 44.18 |

Table VII.—FEMALES (*Continued*)

Showing the normal *weight* in kilograms calculated from the length of the *trunk* given in centimetres.

| Length in Cen- ti- metres | Weight in Kilograms | Length in Cen- ti- metres | Weight in Kilograms | Length in Cen- ti- metres | Weight in Kilograms | Length in Cen- ti- metres | Weight in Kilograms |
|---------------------------------------|---------------------------|---------------------------------------|---------------------------|---------------------------------------|---------------------------|---------------------------------------|---------------------------|
| 79·0 | 44·54 | 85·0 | 56·27 | 91·0 | 69·97 | 97·0 | 85·81 |
| ·2 | ·90 | ·2 | ·70 | ·2 | 70·46 | ·2 | 86·38 |
| ·4 | 45·26 | ·4 | 57·12 | ·4 | ·96 | ·4 | ·94 |
| ·6 | ·63 | ·6 | ·55 | ·6 | 71·46 | ·6 | 87·51 |
| ·8 | ·99 | ·8 | ·98 | ·8 | ·96 | ·8 | 88·09 |
| 80·0 | 46·36 | 86·0 | 58·41 | 92·0 | 72·46 | 98·0 | ·67 |
| ·2 | ·73 | ·2 | ·85 | ·2 | ·96 | ·2 | 89·24 |
| ·4 | 47·11 | ·4 | 59·28 | ·4 | 73·47 | ·4 | ·83 |
| ·6 | ·48 | ·6 | ·72 | ·6 | ·98 | ·6 | 90·41 |
| ·8 | ·86 | ·8 | 60·17 | ·8 | 74·49 | ·8 | 91·00 |
| 81·0 | 48·24 | 87·0 | ·61 | 93·0 | 75·00 | 99·0 | ·59 |
| ·2 | ·62 | ·2 | 61·06 | ·2 | ·52 | ·2 | 92·18 |
| ·4 | 49·00 | ·4 | ·51 | ·4 | 76·04 | ·4 | ·78 |
| ·6 | ·39 | ·6 | ·96 | ·6 | ·57 | ·6 | 93·37 |
| ·8 | ·78 | ·8 | 62·41 | ·8 | 77·08 | ·8 | ·97 |
| 82·0 | 50·17 | 88·0 | ·86 | 94·0 | ·61 | 100·0 | 94·58 |
| ·2 | ·56 | ·2 | 63·32 | ·2 | 78·14 | ·2 | 95·18 |
| ·4 | ·96 | ·4 | ·78 | ·4 | ·67 | ·4 | ·79 |
| ·6 | 51·35 | ·6 | 64·24 | ·6 | 79·21 | ·6 | 96·40 |
| ·8 | ·75 | ·8 | ·71 | ·8 | ·74 | ·8 | 97·02 |
| 83·0 | 52·15 | 89·0 | 65·18 | 95·0 | 80·28 | 101·0 | ·63 |
| ·2 | ·55 | ·2 | ·64 | ·2 | ·82 | ·2 | 98·25 |
| ·4 | ·96 | ·4 | 66·12 | ·4 | 81·37 | ·4 | ·87 |
| ·6 | 53·36 | ·6 | ·59 | ·6 | ·91 | ·6 | 99·50 |
| ·8 | ·77 | ·8 | 67·07 | ·8 | 82·46 | ·8 | 100·13 |
| 84·0 | 54·18 | 90·0 | ·54 | 96·0 | 83·01 | 102·0 | ·75 |
| ·2 | ·60 | ·2 | 68·03 | ·2 | ·57 | ·2 | 101·38 |
| ·4 | 55·01 | ·4 | ·51 | ·4 | 84·12 | ·4 | 102·02 |
| ·6 | ·40 | ·6 | 69·00 | ·6 | ·68 | ·6 | ·66 |
| ·8 | ·85 | ·8 | ·48 | ·8 | 85·25 | ·8 | 103·30 |

Table IX.—FEMALES

Showing the normal circumference of the *chest* in centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres |
|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|
| 55.0 | 49.81 | 61.0 | 54.72 | 67.0 | 59.58 | 73.0 | 64.41 |
| .2 | .98 | .2 | .88 | .2 | .75 | .2 | .57 |
| .4 | 50.14 | .4 | 55.05 | .4 | .91 | .4 | .73 |
| .6 | .31 | .6 | .21 | .6 | 60.07 | .6 | .89 |
| .8 | .47 | .8 | .37 | .8 | .23 | .8 | 65.05 |
| 56.0 | .64 | 62.0 | .53 | 68.0 | .39 | 74.0 | .21 |
| .2 | .80 | .2 | .70 | .2 | .55 | .2 | .37 |
| .4 | .96 | .4 | .86 | .4 | .71 | .4 | .53 |
| .6 | 51.13 | .6 | 56.02 | .6 | .87 | .6 | .69 |
| .8 | .29 | .8 | .18 | .8 | 61.03 | .8 | .84 |
| 57.0 | .46 | 63.0 | .35 | 69.0 | .20 | 75.0 | 66.00 |
| .2 | .62 | .2 | .51 | .2 | .36 | .2 | .16 |
| .4 | .78 | .4 | .67 | .4 | .52 | .4 | .32 |
| .6 | .95 | .6 | .83 | .6 | .68 | .6 | .48 |
| .8 | 52.11 | .8 | 57.00 | .8 | .84 | .8 | .64 |
| 58.0 | .27 | 64.0 | .16 | 70.0 | 62.00 | 76.0 | .80 |
| .2 | .44 | .2 | .32 | .2 | .16 | .2 | .96 |
| .4 | .60 | .4 | .48 | .4 | .32 | .4 | 67.12 |
| .6 | .76 | .6 | .64 | .6 | .48 | .6 | .28 |
| .8 | .93 | .8 | .81 | .8 | .64 | .8 | .44 |
| 59.0 | 53.09 | 65.0 | .97 | 71.0 | .80 | 77.0 | .60 |
| .2 | .25 | .2 | 58.13 | .2 | .96 | .2 | .76 |
| .4 | .42 | .4 | .29 | .4 | 63.12 | .4 | .92 |
| .6 | .58 | .6 | .45 | .6 | .28 | .6 | 68.08 |
| .8 | .74 | .8 | .61 | .8 | .44 | .8 | .24 |
| 60.0 | .91 | 66.0 | .78 | 72.0 | .60 | 78.0 | .40 |
| .2 | 54.03 | .2 | .94 | .2 | .77 | .2 | .56 |
| .4 | .23 | .4 | 59.10 | .4 | .93 | .4 | .71 |
| .6 | .39 | .6 | .26 | .6 | 64.09 | .6 | .87 |
| .8 | .56 | .8 | .42 | .8 | .25 | .8 | 69.03 |

Table IX.—FEMALES (*Continued*)

Showing the normal circumference of the *chest* in centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres | Length in Centi- metres | Chest in Centi- metres |
|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|
| 79.0 | 69.19 | 85.0 | 73.94 | 91.0 | 78.66 | 97.0 | 83.36 |
| .2 | .35 | .2 | 74.10 | .2 | .82 | .2 | .51 |
| .4 | .51 | .4 | .26 | .4 | .98 | .4 | .67 |
| .6 | .67 | .6 | .42 | .6 | 79.14 | .6 | .83 |
| .8 | .83 | .8 | .58 | .8 | .29 | .8 | .98 |
| 80.0 | .99 | 86.0 | .73 | 92.0 | .45 | 98.0 | 84.14 |
| .2 | 70.15 | .2 | .89 | .2 | .61 | .2 | .29 |
| .4 | .30 | .4 | 75.05 | .4 | .76 | .4 | .45 |
| .6 | .46 | .6 | .21 | .6 | .92 | .6 | .60 |
| .8 | .62 | .8 | .36 | .8 | 80.07 | .8 | .76 |
| 81.0 | .78 | 87.0 | .52 | 93.0 | .23 | 99.0 | .92 |
| .2 | .94 | .2 | .68 | .2 | .39 | .2 | 85.07 |
| .4 | 71.10 | .4 | .84 | .4 | .55 | .4 | .23 |
| .6 | .26 | .6 | .99 | .6 | .70 | .6 | .38 |
| .8 | .41 | .8 | 76.15 | .8 | .86 | .8 | .54 |
| 82.0 | .57 | 88.0 | .31 | 94.0 | 81.02 | 100.0 | .69 |
| .2 | .73 | .2 | .46 | .2 | .17 | .2 | .85 |
| .4 | .89 | .4 | .62 | .4 | .33 | .4 | 86.00 |
| .6 | 72.05 | .6 | .78 | .6 | .48 | .6 | .16 |
| .8 | .20 | .8 | .94 | .8 | .64 | .8 | .31 |
| 83.0 | .36 | 89.0 | 77.09 | 95.0 | .79 | 101.0 | .47 |
| .2 | .52 | .2 | .25 | .2 | .95 | .2 | .63 |
| .4 | .68 | .4 | .41 | .4 | 82.11 | .4 | .78 |
| .6 | .84 | .6 | .57 | .6 | .26 | .6 | .94 |
| .8 | 73.00 | .8 | .72 | .8 | .42 | .8 | 87.09 |
| 84.0 | .15 | 90.0 | .88 | 96.0 | .58 | 102.0 | .25 |
| .2 | .31 | .2 | 78.04 | .2 | .73 | .2 | .40 |
| .4 | .47 | .4 | .19 | .4 | .89 | .4 | .56 |
| .6 | .63 | .6 | .35 | .6 | 83.05 | .6 | .71 |
| .8 | .79 | .8 | .51 | .8 | .20 | .8 | .89 |

Table X.—FEMALES

Showing the normal *vital capacity* in cubic centimetres calculated from the weight of the *body* given in kilograms.

| Weight in Kilograms | Vital Capacity in Cubic Centimetres | | | Weight in Kilograms | Vital Capacity in Cubic Centimetres | | |
|---------------------------|--|---------|---------|---------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 15.0 | 1280 | 1169 | 1093 | 30.0 | 2109 | 1925 | 1801 |
| .5 | 1311 | 1197 | 1119 | .5 | 2134 | 1948 | 1822 |
| 16.0 | 1341 | 1224 | 1145 | 31.0 | 2159 | 1971 | 1844 |
| .5 | 1371 | 1252 | 1171 | .5 | 2184 | 1994 | 1865 |
| 17.0 | 1401 | 1279 | 1196 | 32.0 | 2209 | 2017 | 1886 |
| .5 | 1430 | 1306 | 1222 | .5 | 2234 | 2039 | 1908 |
| 18.0 | 1460 | 1333 | 1247 | 33.0 | 2258 | 2062 | 1929 |
| .5 | 1489 | 1359 | 1271 | .5 | 2283 | 2084 | 1950 |
| 19.0 | 1518 | 1386 | 1296 | 34.0 | 2307 | 2107 | 1971 |
| .5 | 1546 | 1412 | 1321 | .5 | 2332 | 2129 | 1991 |
| 20.0 | 1575 | 1438 | 1345 | 35.0 | 2356 | 2151 | 2012 |
| .5 | 1603 | 1464 | 1369 | .5 | 2380 | 2173 | 2033 |
| 21.0 | 1631 | 1489 | 1393 | 36.0 | 2404 | 2195 | 2053 |
| .5 | 1659 | 1515 | 1417 | .5 | 2428 | 2217 | 2074 |
| 22.0 | 1687 | 1540 | 1440 | 37.0 | 2452 | 2239 | 2094 |
| .5 | 1714 | 1565 | 1464 | .5 | 2476 | 2261 | 2115 |
| 23.0 | 1741 | 1590 | 1487 | 38.0 | 2500 | 2282 | 2135 |
| .5 | 1769 | 1615 | 1510 | .5 | 2523 | 2304 | 2155 |
| 24.0 | 1796 | 1639 | 1533 | 39.0 | 2547 | 2325 | 2175 |
| .5 | 1823 | 1664 | 1556 | .5 | 2571 | 2347 | 2195 |
| 25.0 | 1849 | 1688 | 1579 | 40.0 | 2594 | 2368 | 2215 |
| .5 | 1876 | 1713 | 1602 | .5 | 2617 | 2390 | 2235 |
| 26.0 | 1902 | 1737 | 1624 | 41.0 | 2640 | 2411 | 2255 |
| .5 | 1928 | 1761 | 1647 | .5 | 2664 | 2432 | 2275 |
| 27.0 | 1955 | 1785 | 1669 | 42.0 | 2687 | 2453 | 2294 |
| .5 | 1981 | 1808 | 1691 | .5 | 2710 | 2474 | 2314 |
| 28.0 | 2006 | 1832 | 1714 | 43.0 | 2733 | 2495 | 2334 |
| .5 | 2032 | 1855 | 1735 | .5 | 2755 | 2516 | 2353 |
| 29.0 | 2058 | 1879 | 1757 | 44.0 | 2778 | 2536 | 2372 |
| .5 | 2083 | 1902 | 1779 | .5 | 2801 | 2557 | 2392 |

Table X.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the weight of the *body* given in kilograms.

| Weight in Kilograms | Vital Capacity in Cubic Centimetres | | | Weight in Kilograms | Vital Capacity in Cubic Centimetres | | |
|---------------------------|--|---------|---------|---------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 45.0 | 2823 | 2578 | 2411 | 60.0 | 3473 | 3171 | 2966 |
| .5 | 2846 | 2598 | 2431 | .5 | 3494 | 3190 | 2984 |
| 46.0 | 2869 | 2619 | 2450 | 61.0 | 3515 | 3209 | 3002 |
| .5 | 2891 | 2639 | 2469 | .5 | 3536 | 3228 | 3019 |
| 47.0 | 2913 | 2660 | 2488 | 62.0 | 3556 | 3247 | 3037 |
| .5 | 2936 | 2680 | 2507 | .5 | 3577 | 3266 | 3055 |
| 48.0 | 2958 | 2700 | 2526 | 63.0 | 3597 | 3284 | 3072 |
| .5 | 2980 | 2721 | 2545 | .5 | 3618 | 3303 | 3090 |
| 49.0 | 3002 | 2741 | 2564 | 64.0 | 3638 | 3322 | 3107 |
| .5 | 3024 | 2761 | 2583 | .5 | 3659 | 3341 | 3125 |
| 50.0 | 3046 | 2781 | 2601 | 65.0 | 3679 | 3359 | 3142 |
| .5 | 3068 | 2801 | 2620 | .5 | 3700 | 3378 | 3160 |
| 51.0 | 3090 | 2821 | 2639 | 66.0 | 3720 | 3396 | 3177 |
| .5 | 3111 | 2841 | 2657 | .5 | 3740 | 3415 | 3194 |
| 52.0 | 3133 | 2861 | 2676 | 67.0 | 3760 | 3433 | 3211 |
| .5 | 3155 | 2880 | 2694 | .5 | 3781 | 3452 | 3229 |
| 53.0 | 3176 | 2900 | 2713 | 68.0 | 3801 | 3470 | 3246 |
| .5 | 3198 | 2920 | 2731 | .5 | 3821 | 3489 | 3263 |
| 54.0 | 3219 | 2939 | 2749 | 69.0 | 3841 | 3507 | 3280 |
| .5 | 3241 | 2959 | 2768 | .5 | 3861 | 3525 | 3297 |
| 55.0 | 3262 | 2979 | 2786 | 70.0 | 3881 | 3543 | 3314 |
| .5 | 3284 | 2998 | 2804 | .5 | 3901 | 3562 | 3331 |
| 56.0 | 3305 | 3017 | 2822 | 71.0 | 3921 | 3580 | 3348 |
| .5 | 3326 | 3037 | 2841 | .5 | 3941 | 3598 | 3365 |
| 57.0 | 3347 | 3056 | 2859 | 72.0 | 3960 | 3616 | 3382 |
| .5 | 3368 | 3075 | 2877 | .5 | 3980 | 3634 | 3399 |
| 58.0 | 3390 | 3095 | 2895 | 73.0 | 4000 | 3652 | 3416 |
| .5 | 3411 | 3114 | 2913 | .5 | 4020 | 3670 | 3433 |
| 59.0 | 3431 | 3133 | 2930 | 74.0 | 4039 | 3688 | 3450 |
| .5 | 3452 | 3152 | 2948 | .5 | 4059 | 3706 | 3466 |

Table X.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the weight of the *body* given in kilograms.

| Weight in Kilograms | Vital Capacity in Cubic Centimetres | | | Weight in Kilograms | Vital Capacity in Cubic Centimetres | | |
|---------------------------|--|---------|---------|---------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 75.0 | 4079 | 3724 | 3483 | 90.0 | 4651 | 4246 | 3972 |
| .5 | 4098 | 3742 | 3500 | .5 | 4669 | 4263 | 3988 |
| 76.0 | 4118 | 3759 | 3516 | 91.0 | 4688 | 4280 | 4003 |
| .5 | 4137 | 3777 | 3533 | .5 | 4706 | 4297 | 4019 |
| 77.0 | 4157 | 3795 | 3550 | 92.0 | 4725 | 4314 | 4035 |
| .5 | 4176 | 3813 | 3566 | .5 | 4743 | 4331 | 4051 |
| 78.0 | 4195 | 3830 | 3583 | 93.0 | 4762 | 4348 | 4067 |
| .5 | 4215 | 3848 | 3599 | .5 | 4780 | 4364 | 4082 |
| 79.0 | 4234 | 3866 | 3616 | 94.0 | 4799 | 4381 | 4098 |
| .5 | 4253 | 3883 | 3632 | .5 | 4817 | 4398 | 4114 |
| 80.0 | 4273 | 3901 | 3649 | 95.0 | 4835 | 4415 | 4129 |
| .5 | 4292 | 3918 | 3665 | .5 | 4854 | 4431 | 4145 |
| 81.0 | 4311 | 3936 | 3682 | 96.0 | 4872 | 4448 | 4161 |
| .5 | 4330 | 3953 | 3698 | .5 | 4890 | 4465 | 4176 |
| 82.0 | 4349 | 3971 | 3714 | 97.0 | 4908 | 4481 | 4192 |
| .5 | 4368 | 3988 | 3730 | .5 | 4927 | 4498 | 4207 |
| 83.0 | 4387 | 4006 | 3747 | 98.0 | 4945 | 4515 | 4223 |
| .5 | 4406 | 4023 | 3763 | .5 | 4963 | 4531 | 4238 |
| 84.0 | 4425 | 4040 | 3779 | 99.0 | 4981 | 4548 | 4254 |
| .5 | 4445 | 4058 | 3796 | .5 | 4999 | 4564 | 4269 |
| 85.0 | 4463 | 4075 | 3812 | 100.0 | 5017 | 4581 | 4285 |
| .5 | 4482 | 4092 | 3828 | | | | |
| 86.0 | 4501 | 4109 | 3844 | | | | |
| .5 | 4520 | 4127 | 3860 | | | | |
| 87.0 | 4539 | 4144 | 3876 | | | | |
| .5 | 4557 | 4161 | 3892 | | | | |
| 88.0 | 4576 | 4178 | 3908 | | | | |
| .5 | 4595 | 4195 | 3924 | | | | |
| 89.0 | 4613 | 4212 | 3940 | | | | |
| .5 | 4632 | 4229 | 3956 | | | | |

Table XI.—FEMALES

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Vital Capacity in Cubic Centimetres | | | Length in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|----------------------------------|--|---------|---------|----------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 55·0 | 1218 | 1112 | 1040 | 61·0 | 1546 | 1412 | 1320 |
| ·2 | 1229 | 1122 | 1049 | ·2 | 1558 | 1422 | 1330 |
| ·4 | 1239 | 1131 | 1058 | ·4 | 1570 | 1433 | 1340 |
| ·6 | 1249 | 1140 | 1067 | ·6 | 1581 | 1444 | 1350 |
| ·8 | 1260 | 1150 | 1076 | ·8 | 1593 | 1455 | 1361 |
| 56·0 | 1270 | 1159 | 1085 | 62·0 | 1605 | 1465 | 1371 |
| ·2 | 1280 | 1169 | 1094 | ·2 | 1617 | 1476 | 1381 |
| ·4 | 1291 | 1179 | 1102 | ·4 | 1629 | 1487 | 1391 |
| ·6 | 1302 | 1188 | 1112 | ·6 | 1641 | 1498 | 1401 |
| ·8 | 1312 | 1198 | 1121 | ·8 | 1653 | 1509 | 1412 |
| 57·0 | 1323 | 1208 | 1130 | 63·0 | 1665 | 1520 | 1422 |
| ·2 | 1333 | 1217 | 1139 | ·2 | 1677 | 1531 | 1432 |
| ·4 | 1344 | 1227 | 1148 | ·4 | 1690 | 1543 | 1443 |
| ·6 | 1355 | 1237 | 1157 | ·6 | 1702 | 1554 | 1453 |
| ·8 | 1366 | 1247 | 1166 | ·8 | 1714 | 1565 | 1464 |
| 58·0 | 1377 | 1257 | 1176 | 64·0 | 1727 | 1576 | 1475 |
| ·2 | 1388 | 1267 | 1185 | ·2 | 1739 | 1588 | 1485 |
| ·4 | 1399 | 1277 | 1194 | ·4 | 1752 | 1599 | 1496 |
| ·6 | 1410 | 1287 | 1204 | ·6 | 1764 | 1611 | 1507 |
| ·8 | 1421 | 1297 | 1213 | ·8 | 1777 | 1622 | 1517 |
| 59·0 | 1432 | 1307 | 1223 | 65·0 | 1789 | 1634 | 1528 |
| ·2 | 1443 | 1318 | 1232 | ·2 | 1802 | 1645 | 1539 |
| ·4 | 1454 | 1328 | 1242 | ·4 | 1815 | 1657 | 1550 |
| ·6 | 1466 | 1338 | 1252 | ·6 | 1827 | 1668 | 1561 |
| ·8 | 1477 | 1348 | 1261 | ·8 | 1840 | 1680 | 1572 |
| 60·0 | 1488 | 1359 | 1271 | 66·0 | 1853 | 1692 | 1583 |
| ·2 | 1500 | 1369 | 1281 | ·2 | 1866 | 1704 | 1594 |
| ·4 | 1511 | 1380 | 1291 | ·4 | 1879 | 1716 | 1605 |
| ·6 | 1523 | 1390 | 1301 | ·6 | 1892 | 1728 | 1616 |
| ·8 | 1534 | 1401 | 1310 | ·8 | 1905 | 1740 | 1627 |

Table XI.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Vital Capacity in Cubic Centimetres | | | Length in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|----------------------------------|--|---------|---------|----------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 67.0 | 1918 | 1752 | 1638 | 73.0 | 2337 | 2133 | 1996 |
| .2 | 1932 | 1764 | 1650 | .2 | 2352 | 2147 | 2008 |
| .4 | 1945 | 1776 | 1661 | .4 | 2366 | 2161 | 2021 |
| .6 | 1958 | 1788 | 1672 | .6 | 2381 | 2174 | 2034 |
| .8 | 1972 | 1800 | 1684 | .8 | 2396 | 2188 | 2046 |
| 68.0 | 1985 | 1812 | 1695 | 74.0 | 2411 | 2201 | 2059 |
| .2 | 1998 | 1824 | 1707 | .2 | 2426 | 2215 | 2072 |
| .4 | 2012 | 1837 | 1718 | .4 | 2441 | 2229 | 2085 |
| .6 | 2025 | 1849 | 1730 | .6 | 2456 | 2243 | 2098 |
| .8 | 2039 | 1862 | 1741 | .8 | 2471 | 2256 | 2111 |
| 69.0 | 2053 | 1874 | 1753 | 75.0 | 2487 | 2270 | 2124 |
| .2 | 2067 | 1887 | 1765 | .2 | 2502 | 2284 | 2137 |
| .4 | 2080 | 1899 | 1777 | .4 | 2517 | 2298 | 2150 |
| .6 | 2094 | 1912 | 1788 | .6 | 2533 | 2312 | 2163 |
| .8 | 2108 | 1925 | 1800 | .8 | 2548 | 2326 | 2176 |
| 70.0 | 2122 | 1937 | 1812 | 76.0 | 2564 | 2341 | 2189 |
| .2 | 2136 | 1950 | 1824 | .2 | 2579 | 2355 | 2203 |
| .4 | 2150 | 1963 | 1836 | .4 | 2595 | 2369 | 2216 |
| .6 | 2164 | 1976 | 1848 | .6 | 2610 | 2383 | 2229 |
| .8 | 2178 | 1988 | 1860 | .8 | 2626 | 2398 | 2243 |
| 71.0 | 2192 | 2001 | 1872 | 77.0 | 2642 | 2412 | 2256 |
| .2 | 2206 | 2014 | 1884 | .2 | 2658 | 2427 | 2270 |
| .4 | 2221 | 2028 | 1897 | .4 | 2674 | 2441 | 2283 |
| .6 | 2235 | 2041 | 1909 | .6 | 2689 | 2455 | 2297 |
| .8 | 2249 | 2054 | 1921 | .8 | 2706 | 2470 | 2311 |
| 72.0 | 2264 | 2067 | 1933 | 78.0 | 2721 | 2485 | 2324 |
| .2 | 2278 | 2080 | 1946 | .2 | 2738 | 2499 | 2338 |
| .4 | 2293 | 2093 | 1958 | .4 | 2754 | 2514 | 2352 |
| .6 | 2308 | 2107 | 1971 | .6 | 2770 | 2529 | 2365 |
| .8 | 2322 | 2120 | 1983 | .8 | 2786 | 2544 | 2379 |

Table XI.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Vital Capacity in Cubic Centimetres | | | Length in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|----------------------------------|--|---------|---------|----------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 79·0 | 2803 | 2559 | 2393 | 85·0 | 3316 | 3028 | 2832 |
| ·2 | 2819 | 2574 | 2407 | ·2 | 3334 | 3044 | 2848 |
| ·4 | 2835 | 2589 | 2421 | ·4 | 3352 | 3061 | 2863 |
| ·6 | 2852 | 2603 | 2435 | ·6 | 3370 | 3077 | 2878 |
| ·8 | 2868 | 2619 | 2449 | ·8 | 3389 | 3094 | 2894 |
| 80·0 | 2885 | 2634 | 2464 | 86·0 | 3407 | 3110 | 2909 |
| ·2 | 2901 | 2649 | 2478 | ·2 | 3425 | 3127 | 2925 |
| ·4 | 2918 | 2664 | 2492 | ·4 | 3443 | 3144 | 2941 |
| ·6 | 2935 | 2679 | 2506 | ·6 | 3462 | 3160 | 2956 |
| ·8 | 2952 | 2695 | 2521 | ·8 | 3480 | 3177 | 2972 |
| 81·0 | 2968 | 2710 | 2535 | 87·0 | 3499 | 3194 | 2988 |
| ·2 | 2985 | 2726 | 2549 | ·2 | 3517 | 3211 | 3004 |
| ·4 | 3002 | 2741 | 2564 | ·4 | 3536 | 3228 | 3020 |
| ·6 | 3019 | 2756 | 2578 | ·6 | 3554 | 3245 | 3035 |
| ·8 | 3036 | 2772 | 2593 | ·8 | 3573 | 3262 | 3051 |
| 82·0 | 3053 | 2788 | 2607 | 88·0 | 3592 | 3279 | 3067 |
| ·2 | 3070 | 2803 | 2622 | ·2 | 3611 | 3297 | 3084 |
| ·4 | 3088 | 2819 | 2637 | ·4 | 3629 | 3314 | 3100 |
| ·6 | 3105 | 2835 | 2652 | ·6 | 3648 | 3331 | 3116 |
| ·8 | 3122 | 2851 | 2666 | ·8 | 3667 | 3348 | 3132 |
| 83·0 | 3140 | 2867 | 2681 | 89·0 | 3686 | 3366 | 3148 |
| ·2 | 3157 | 2882 | 2696 | ·2 | 3705 | 3383 | 3164 |
| ·4 | 3175 | 2898 | 2711 | ·4 | 3725 | 3401 | 3181 |
| ·6 | 3192 | 2914 | 2726 | ·6 | 3744 | 3418 | 3197 |
| ·8 | 3210 | 2930 | 2741 | ·8 | 3763 | 3436 | 3214 |
| 84·0 | 3227 | 2947 | 2756 | 90·0 | 3782 | 3453 | 3230 |
| ·2 | 3245 | 2963 | 2771 | ·2 | 3802 | 3471 | 3247 |
| ·4 | 3263 | 2979 | 2786 | ·4 | 3821 | 3489 | 3263 |
| ·6 | 3281 | 2995 | 2802 | ·6 | 3841 | 3507 | 3280 |
| ·8 | 3299 | 3012 | 2818 | ·8 | 3860 | 3524 | 3297 |

Table XI.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in centimetres.

| Length in Centi- metres | Vital Capacity in Cubic Centimetres | | | Length in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|----------------------------------|--|---------|---------|----------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 91·0 | 3880 | 3542 | 3313 | 97·0 | 4494 | 4103 | 3838 |
| ·2 | 3899 | 3560 | 3330 | ·2 | 4515 | 4122 | 3856 |
| ·4 | 3919 | 3578 | 3347 | ·4 | 4536 | 4142 | 3874 |
| ·6 | 3939 | 3596 | 3364 | ·6 | 4558 | 4161 | 3892 |
| ·8 | 3959 | 3614 | 3381 | ·8 | 4579 | 4181 | 3911 |
| 92·0 | 3979 | 3633 | 3398 | 98·0 | 4601 | 4201 | 3929 |
| ·2 | 3998 | 3651 | 3415 | ·2 | 4622 | 4220 | 3948 |
| ·4 | 4018 | 3669 | 3432 | ·4 | 4644 | 4240 | 3966 |
| ·6 | 4038 | 3687 | 3449 | ·6 | 4666 | 4260 | 3985 |
| ·8 | 4059 | 3706 | 3466 | ·8 | 4688 | 4280 | 4003 |
| 93·0 | 4079 | 3724 | 3483 | 99·0 | 4710 | 4300 | 4022 |
| ·2 | 4099 | 3742 | 3500 | ·2 | 4731 | 4320 | 4041 |
| ·4 | 4119 | 3761 | 3518 | ·4 | 4754 | 4340 | 4060 |
| ·6 | 4140 | 3780 | 3535 | ·6 | 4776 | 4360 | 4078 |
| ·8 | 4160 | 3798 | 3553 | ·8 | 4798 | 4380 | 4097 |
| 94·0 | 4180 | 3817 | 3570 | 100·0 | 4820 | 4400 | 4116 |
| ·2 | 4201 | 3835 | 3588 | ·2 | 4842 | 4421 | 4135 |
| ·4 | 4221 | 3854 | 3605 | ·4 | 4864 | 4441 | 4154 |
| ·6 | 4242 | 3873 | 3623 | ·6 | 4887 | 4461 | 4173 |
| ·8 | 4263 | 3892 | 3640 | ·8 | 4909 | 4482 | 4192 |
| 95·0 | 4283 | 3911 | 3658 | 101·0 | 4931 | 4502 | 4211 |
| ·2 | 4304 | 3930 | 3676 | ·2 | 4954 | 4523 | 4231 |
| ·4 | 4325 | 3949 | 3694 | ·4 | 4976 | 4543 | 4250 |
| ·6 | 4346 | 3968 | 3711 | ·6 | 4999 | 4564 | 4269 |
| ·8 | 4367 | 3987 | 3729 | ·8 | 5022 | 4585 | 4289 |
| 96·0 | 4388 | 4006 | 3747 | 102·0 | 5044 | 4605 | 4308 |
| ·2 | 4409 | 4025 | 3765 | ·2 | 5067 | 4626 | 4327 |
| ·4 | 4430 | 4045 | 3783 | ·4 | 5090 | 4647 | 4347 |
| ·6 | 4451 | 4064 | 3801 | ·6 | 5113 | 4668 | 4366 |
| ·8 | 4472 | 4083 | 3819 | ·8 | 5136 | 4689 | 4386 |

Table XII.—FEMALES

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | | Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|---------------------------------|--|---------|---------|---------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 55.0 | 1566 | 1430 | 1337 | 61.0 | 2036 | 1859 | 1739 |
| .2 | 1581 | 1443 | 1350 | .2 | 2053 | 1875 | 1753 |
| .4 | 1595 | 1456 | 1362 | .4 | 2070 | 1890 | 1768 |
| .6 | 1610 | 1470 | 1375 | .6 | 2087 | 1906 | 1783 |
| .8 | 1625 | 1483 | 1387 | .8 | 2105 | 1922 | 1797 |
| 56.0 | 1639 | 1497 | 1400 | 62.0 | 2122 | 1937 | 1812 |
| .2 | 1654 | 1510 | 1413 | .2 | 2139 | 1953 | 1827 |
| .4 | 1669 | 1524 | 1426 | .4 | 2157 | 1969 | 1842 |
| .6 | 1684 | 1538 | 1438 | .6 | 2174 | 1985 | 1857 |
| .8 | 1701 | 1553 | 1453 | .8 | 2192 | 2001 | 1872 |
| 57.0 | 1715 | 1565 | 1464 | 63.0 | 2210 | 2018 | 1887 |
| .2 | 1730 | 1579 | 1477 | .2 | 2228 | 2034 | 1902 |
| .4 | 1745 | 1593 | 1490 | .4 | 2246 | 2050 | 1918 |
| .6 | 1761 | 1607 | 1504 | .6 | 2264 | 2067 | 1933 |
| .8 | 1776 | 1622 | 1517 | .8 | 2282 | 2083 | 1949 |
| 58.0 | 1792 | 1636 | 1531 | 64.0 | 2300 | 2100 | 1964 |
| .2 | 1808 | 1650 | 1544 | .2 | 2318 | 2116 | 1980 |
| .4 | 1823 | 1665 | 1557 | .4 | 2336 | 2133 | 1995 |
| .6 | 1839 | 1679 | 1571 | .6 | 2355 | 2150 | 2011 |
| .8 | 1855 | 1694 | 1584 | .8 | 2373 | 2167 | 2027 |
| 59.0 | 1871 | 1708 | 1598 | 65.0 | 2392 | 2184 | 2043 |
| .2 | 1887 | 1723 | 1612 | .2 | 2411 | 2201 | 2059 |
| .4 | 1904 | 1738 | 1626 | .4 | 2430 | 2218 | 2075 |
| .6 | 1920 | 1753 | 1640 | .6 | 2448 | 2235 | 2091 |
| .8 | 1936 | 1768 | 1654 | .8 | 2467 | 2253 | 2107 |
| 60.0 | 1953 | 1783 | 1668 | 66.0 | 2486 | 2270 | 2123 |
| .2 | 1969 | 1798 | 1682 | .2 | 2506 | 2288 | 2140 |
| .4 | 1986 | 1813 | 1696 | .4 | 2525 | 2305 | 2156 |
| .6 | 2003 | 1828 | 1710 | .6 | 2544 | 2323 | 2173 |
| .8 | 2019 | 1844 | 1725 | .8 | 2564 | 2341 | 2189 |

Table XII.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in centimetres.

| Chest in Centimetres | Vital Capacity in Cubic Centimetres | | | Chest in Centimetres | Vital Capacity in Cubic Centimetres | | |
|----------------------|-------------------------------------|---------|---------|----------------------|-------------------------------------|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 67.0 | 2583 | 2358 | 2206 | 73.0 | 3210 | 2931 | 2742 |
| .2 | 2603 | 2376 | 2223 | .2 | 3233 | 2952 | 2761 |
| .4 | 2622 | 2394 | 2239 | .4 | 3255 | 2972 | 2780 |
| .6 | 2642 | 2412 | 2256 | .6 | 3278 | 2992 | 2799 |
| .8 | 2662 | 2430 | 2273 | .8 | 3300 | 3013 | 2819 |
| 68.0 | 2682 | 2449 | 2290 | 74.0 | 3323 | 3034 | 2838 |
| .2 | 2702 | 2467 | 2307 | .2 | 3346 | 3055 | 2857 |
| .4 | 2722 | 2485 | 2325 | .4 | 3369 | 3076 | 2877 |
| .6 | 2742 | 2504 | 2342 | .6 | 3392 | 3097 | 2897 |
| .8 | 2763 | 2522 | 2359 | .8 | 3415 | 3118 | 2916 |
| 69.0 | 2783 | 2541 | 2377 | 75.0 | 3438 | 3139 | 2936 |
| .2 | 2804 | 2560 | 2394 | .2 | 3461 | 3160 | 2956 |
| .4 | 2824 | 2578 | 2412 | .4 | 3485 | 3182 | 2976 |
| .6 | 2845 | 2597 | 2429 | .6 | 3508 | 3203 | 2996 |
| .8 | 2866 | 2616 | 2447 | .8 | 3532 | 3225 | 3016 |
| 70.0 | 2886 | 2635 | 2465 | 76.0 | 3555 | 3246 | 3036 |
| .2 | 2907 | 2654 | 2483 | .2 | 3579 | 3268 | 3057 |
| .4 | 2928 | 2674 | 2501 | .4 | 3603 | 3290 | 3077 |
| .6 | 2949 | 2693 | 2519 | .6 | 3627 | 3312 | 3098 |
| .8 | 2971 | 2712 | 2537 | .8 | 3651 | 3333 | 3118 |
| 71.0 | 2992 | 2732 | 2555 | 77.0 | 3675 | 3356 | 3139 |
| .2 | 3013 | 2751 | 2573 | .2 | 3700 | 3378 | 3159 |
| .4 | 3035 | 2771 | 2592 | .4 | 3724 | 3400 | 3180 |
| .6 | 3057 | 2791 | 2610 | .6 | 3748 | 3422 | 3201 |
| .8 | 3078 | 2810 | 2629 | .8 | 3773 | 3445 | 3222 |
| 72.0 | 3100 | 2830 | 2647 | 78.0 | 3797 | 3467 | 3243 |
| .2 | 3122 | 2850 | 2666 | .2 | 3822 | 3490 | 3264 |
| .4 | 3144 | 2870 | 2685 | .4 | 3847 | 3512 | 3285 |
| .6 | 3166 | 2891 | 2704 | .6 | 3872 | 3535 | 3307 |
| .8 | 3188 | 2911 | 2723 | .8 | 3897 | 3558 | 3328 |

Table XII.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in centimetres.

| Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | | Chest in Centi- metres | Vital Capacity in Cubic Centimetres | | |
|---------------------------------|--|---------|---------|---------------------------------|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 79·0 | 3926 | 3584 | 3353 | 85·0 | 4722 | 4311 | 4033 |
| ·2 | 3947 | 3604 | 3371 | ·2 | 4750 | 4337 | 4057 |
| ·4 | 3973 | 3627 | 3393 | ·4 | 4779 | 4363 | 4081 |
| ·6 | 3998 | 3650 | 3414 | ·6 | 4807 | 4389 | 4105 |
| ·8 | 4024 | 3674 | 3436 | ·8 | 4835 | 4415 | 4129 |
| 80·0 | 4049 | 3697 | 3458 | 86·0 | 4864 | 4441 | 4154 |
| ·2 | 4075 | 3720 | 3480 | ·2 | 4893 | 4467 | 4178 |
| ·4 | 4101 | 3744 | 3502 | ·4 | 4921 | 4493 | 4203 |
| ·6 | 4127 | 3768 | 3524 | ·6 | 4950 | 4520 | 4228 |
| ·8 | 4153 | 3791 | 3546 | ·8 | 4980 | 4546 | 4253 |
| 81·0 | 4179 | 3815 | 3569 | 87·0 | 5009 | 4573 | 4277 |
| ·2 | 4205 | 3839 | 3591 | ·2 | 5038 | 4600 | 4303 |
| ·4 | 4231 | 3863 | 3613 | ·4 | 5067 | 4626 | 4327 |
| ·6 | 4258 | 3887 | 3636 | ·6 | 5097 | 4653 | 4353 |
| ·8 | 4284 | 3911 | 3659 | ·8 | 5126 | 4680 | 4378 |
| 82·0 | 4311 | 3936 | 3681 | 88·0 | 5156 | 4707 | 4403 |
| ·2 | 4337 | 3960 | 3704 | ·2 | 5186 | 4735 | 4429 |
| ·4 | 4364 | 3985 | 3727 | ·4 | 5215 | 4762 | 4454 |
| ·6 | 4391 | 4009 | 3750 | ·6 | 5245 | 4789 | 4480 |
| ·8 | 4418 | 4034 | 3773 | ·8 | 5276 | 4817 | 4505 |
| 83·0 | 4445 | 4059 | 3796 | 89·0 | 5306 | 4844 | 4531 |
| ·2 | 4472 | 4083 | 3819 | ·2 | 5336 | 4872 | 4557 |
| ·4 | 4500 | 4108 | 3843 | ·4 | 5367 | 4900 | 4583 |
| ·6 | 4527 | 4133 | 3866 | ·6 | 5397 | 4928 | 4609 |
| ·8 | 4555 | 4158 | 3890 | ·8 | 5428 | 4955 | 4635 |
| 84·0 | 4582 | 4184 | 3913 | 90·0 | 5458 | 4983 | 4661 |
| ·2 | 4610 | 4209 | 3937 | | | | |
| ·4 | 4638 | 4234 | 3961 | | | | |
| ·6 | 4666 | 4260 | 3985 | | | | |
| ·8 | 4694 | 4286 | 4009 | | | | |

Table XIII.—MALES

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces |
|--|---|--|----|----|-----------------------------------|
| 24 -0 | 41.95 | 2 | 13 | 15 | 41 15 |
| -1 | 42.64 | 3 | 0 | 10 | 42 10 |
| -2 | 43.33 | 3 | 1 | 5 | 43 5 |
| -3 | 44.03 | 3 | 2 | 1 | 44 1 |
| -4 | 44.75 | 3 | 2 | 12 | 44 12 |
| -5 | 45.47 | 3 | 3 | 8 | 45 8 |
| -6 | 46.20 | 3 | 4 | 3 | 46 3 |
| -7 | 46.93 | 3 | 4 | 15 | 46 15 |
| 25 -0 | 47.67 | 3 | 5 | 11 | 47 11 |
| -1 | 48.43 | 3 | 6 | 7 | 48 7 |
| -2 | 49.18 | 3 | 7 | 3 | 49 3 |
| -3 | 49.95 | 3 | 7 | 15 | 49 15 |
| -4 | 50.73 | 3 | 8 | 12 | 50 12 |
| -5 | 51.51 | 3 | 9 | 8 | 51 8 |
| -6 | 52.30 | 3 | 10 | 5 | 52 5 |
| -7 | 53.10 | 3 | 11 | 2 | 53 2 |
| 26 -0 | 53.91 | 3 | 11 | 15 | 53 15 |
| -1 | 54.73 | 3 | 12 | 12 | 54 12 |
| -2 | 55.55 | 3 | 13 | 9 | 55 9 |
| -3 | 56.39 | 4 | 0 | 6 | 56 6 |
| -4 | 57.23 | 4 | 1 | 4 | 57 4 |
| -5 | 58.08 | 4 | 2 | 1 | 58 1 |
| -6 | 58.94 | 4 | 2 | 15 | 58 15 |
| -7 | 59.81 | 4 | 3 | 13 | 59 13 |
| 27 -0 | 60.68 | 4 | 4 | 11 | 60 11 |
| -1 | 61.57 | 4 | 5 | 9 | 61 9 |
| -2 | 62.46 | 4 | 6 | 7 | 62 7 |
| -3 | 63.36 | 4 | 7 | 6 | 63 6 |
| -4 | 64.27 | 4 | 8 | 4 | 64 4 |
| -5 | 65.19 | 4 | 9 | 3 | 65 3 |
| -6 | 66.12 | 4 | 10 | 2 | 66 2 |
| -7 | 67.06 | 4 | 11 | 1 | 67 1 |

Table XIII.—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces |
|--|---|--|----|----|-----------------------------------|
| 28 -0 | 68.01 | 4 | 12 | 0 | 68 0 |
| -1 | 68.96 | 4 | 12 | 15 | 68 15 |
| -2 | 69.93 | 4 | 13 | 15 | 69 15 |
| -3 | 70.91 | 5 | 0 | 14 | 70 14 |
| -4 | 71.89 | 5 | 1 | 14 | 71 14 |
| -5 | 72.88 | 5 | 2 | 14 | 72 14 |
| -6 | 73.89 | 5 | 3 | 14 | 73 14 |
| -7 | 74.90 | 5 | 4 | 14 | 74 14 |
| 29 -0 | 75.92 | 5 | 5 | 15 | 75 15 |
| -1 | 76.95 | 5 | 6 | 15 | 76 15 |
| -2 | 77.99 | 5 | 8 | 0 | 78 0 |
| -3 | 79.04 | 5 | 9 | 1 | 79 1 |
| -4 | 80.10 | 5 | 10 | 2 | 80 2 |
| -5 | 81.17 | 5 | 11 | 3 | 81 3 |
| -6 | 82.25 | 5 | 12 | 4 | 82 4 |
| -7 | 83.33 | 5 | 13 | 5 | 83 5 |
| 30 -0 | 84.43 | 6 | 0 | 7 | 84 7 |
| -1 | 85.54 | 6 | 1 | 9 | 85 9 |
| -2 | 86.65 | 6 | 2 | 10 | 86 10 |
| -3 | 87.79 | 6 | 3 | 13 | 87 13 |
| -4 | 88.92 | 6 | 4 | 15 | 88 15 |
| -5 | 90.07 | 6 | 6 | 1 | 90 1 |
| -6 | 91.22 | 6 | 7 | 4 | 91 4 |
| -7 | 92.39 | 6 | 8 | 6 | 92 6 |
| 31 -0 | 93.57 | 6 | 9 | 9 | 93 9 |
| -1 | 94.76 | 6 | 10 | 12 | 94 12 |
| -2 | 95.96 | 6 | 11 | 15 | 95 15 |
| -3 | 97.16 | 6 | 13 | 3 | 97 3 |
| -4 | 98.38 | 7 | 0 | 6 | 98 6 |
| -5 | 99.61 | 7 | 1 | 10 | 99 10 |
| -6 | 100.85 | 7 | 2 | 14 | 100 14 |
| -7 | 102.10 | 7 | 4 | 2 | 102 2 |

Table XIII.—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | Weight in Pounds and Ounces |
|--|---|--|-----------------------------------|
| 32-0 | 103.36 | 7 5 6 | 103 6 |
| -1 | 104.63 | 7 6 10 | 104 10 |
| -2 | 105.91 | 7 7 15 | 105 15 |
| -3 | 107.21 | 7 9 3 | 107 3 |
| -4 | 108.51 | 7 10 8 | 108 8 |
| -5 | 109.82 | 7 11 13 | 109 13 |
| -6 | 111.15 | 7 13 2 | 111 2 |
| -7 | 112.49 | 8 0 8 | 112 8 |
| 33-0 | 113.83 | 8 1 13 | 113 13 |
| -1 | 115.19 | 8 3 3 | 115 3 |
| -2 | 116.55 | 8 4 9 | 116 9 |
| -3 | 117.93 | 8 5 15 | 117 15 |
| -4 | 119.32 | 8 7 5 | 119 5 |
| -5 | 120.72 | 8 8 12 | 120 12 |
| -6 | 122.13 | 8 10 2 | 122 2 |
| -7 | 123.56 | 8 11 9 | 123 9 |
| 34-0 | 125.00 | 8 13 0 | 125 0 |
| -1 | 126.44 | 9 0 7 | 126 7 |
| -2 | 127.90 | 9 1 14 | 127 14 |
| -3 | 129.37 | 9 3 6 | 129 6 |
| -4 | 130.85 | 9 4 14 | 130 14 |
| -5 | 132.34 | 9 6 5 | 132 5 |
| -6 | 133.84 | 9 7 14 | 133 14 |
| -7 | 135.35 | 9 9 6 | 135 6 |
| 35-0 | 136.89 | 9 10 14 | 136 14 |
| -1 | 138.43 | 9 12 7 | 138 7 |
| -2 | 139.98 | 10 0 0 | 140 0 |
| -3 | 141.54 | 10 1 9 | 141 9 |
| -4 | 143.11 | 10 3 2 | 143 2 |
| -5 | 144.69 | 10 4 11 | 144 11 |
| -6 | 146.30 | 10 6 5 | 146 5 |
| -7 | 147.90 | 10 7 14 | 147 14 |

Table XIII.—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces |
|--|---|--|----|----|-----------------------------------|
| 36 -0 | 149.52 | 10 | 9 | 8 | 149 8 |
| -1 | 151.16 | 10 | 11 | 3 | 151 3 |
| -2 | 152.81 | 10 | 12 | 13 | 152 13 |
| -3 | 154.46 | 11 | 0 | 7 | 154 7 |
| -4 | 156.13 | 11 | 2 | 2 | 156 2 |
| -5 | 157.82 | 11 | 3 | 13 | 157 13 |
| -6 | 159.51 | 11 | 5 | 8 | 159 8 |
| -7 | 161.21 | 11 | 7 | 3 | 161 3 |
| 37 -0 | 162.93 | 11 | 8 | 15 | 162 15 |
| -1 | 164.67 | 11 | 10 | 11 | 164 11 |
| -2 | 166.41 | 11 | 12 | 7 | 166 7 |
| -3 | 168.17 | 12 | 0 | 3 | 168 3 |
| -4 | 169.93 | 12 | 1 | 15 | 169 15 |
| -5 | 171.72 | 12 | 3 | 12 | 171 12 |
| -6 | 173.52 | 12 | 5 | 8 | 173 8 |
| -7 | 175.32 | 12 | 7 | 5 | 175 5 |
| 38 -0 | 177.14 | 12 | 9 | 2 | 177 2 |
| -1 | 178.97 | 12 | 11 | 0 | 179 0 |
| -2 | 180.82 | 12 | 12 | 13 | 180 13 |
| -3 | 182.68 | 13 | 0 | 11 | 182 11 |
| -4 | 184.55 | 13 | 2 | 9 | 184 9 |
| -5 | 186.44 | 13 | 4 | 7 | 186 7 |
| -6 | 188.33 | 13 | 6 | 5 | 188 5 |
| -7 | 190.24 | 13 | 8 | 4 | 190 4 |
| 39 -0 | 192.16 | 13 | 10 | 3 | 192 3 |
| -1 | 194.10 | 13 | 12 | 2 | 194 2 |
| -2 | 196.06 | 14 | 0 | 1 | 196 1 |
| -3 | 198.02 | 14 | 2 | 0 | 198 0 |
| -4 | 200.00 | 14 | 4 | 0 | 200 0 |
| -5 | 201.99 | 14 | 6 | 0 | 202 0 |
| -6 | 204.00 | 14 | 8 | 0 | 204 0 |
| -7 | 206.01 | 14 | 10 | 0 | 206 0 |

Table XIII.—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces |
|--|---|--|----|----|-----------------------------------|
| 40 -0 | 208·04 | 14 | 12 | 1 | 208 1 |
| -1 | 210·09 | 15 | 0 | 1 | 210 1 |
| -2 | 212·15 | 15 | 2 | 2 | 212 2 |
| -3 | 214·22 | 15 | 4 | 4 | 214 4 |
| -4 | 216·31 | 15 | 6 | 5 | 216 5 |
| -5 | 218·40 | 15 | 8 | 6 | 218 6 |
| -6 | 220·52 | 15 | 10 | 8 | 220 8 |
| -7 | 222·65 | 15 | 12 | 10 | 222 10 |
| 41 -0 | 224·78 | 16 | 0 | 12 | 224 12 |
| -1 | 226·94 | 16 | 2 | 15 | 226 15 |
| -2 | 229·10 | 16 | 5 | 2 | 229 2 |
| -3 | 231·30 | 16 | 7 | 5 | 231 5 |
| -4 | 233·50 | 16 | 9 | 8 | 233 8 |
| -5 | 235·70 | 16 | 11 | 11 | 235 11 |
| -6 | 237·94 | 16 | 13 | 15 | 237 15 |
| -7 | 240·16 | 17 | 2 | 3 | 240 3 |
| 42 -0 | 242·43 | 17 | 4 | 7 | 242 7 |
| -1 | 244·69 | 17 | 6 | 11 | 244 11 |
| -2 | 246·98 | 17 | 9 | 0 | 247 0 |
| -3 | 249·28 | 17 | 11 | 4 | 249 4 |
| -4 | 251·59 | 17 | 13 | 9 | 251 9 |
| -5 | 253·90 | 18 | 1 | 14 | 253 14 |
| -6 | 256·26 | 18 | 4 | 4 | 256 4 |
| -7 | 258·60 | 18 | 6 | 10 | 258 10 |
| 43 -0 | 260·98 | 18 | 9 | 0 | 261 0 |
| -1 | 263·37 | 18 | 11 | 6 | 263 6 |
| -2 | 265·77 | 18 | 13 | 12 | 265 12 |
| -3 | 268·18 | 19 | 2 | 3 | 268 3 |
| -4 | 270·61 | 19 | 4 | 10 | 270 10 |
| -5 | 273·07 | 19 | 7 | 1 | 273 1 |
| -6 | 275·52 | 19 | 9 | 8 | 275 8 |
| -7 | 278·00 | 19 | 12 | 0 | 278 0 |

Table XIII.—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces |
|--|---|--|----|----|-----------------------------------|
| 44 -0 | 280.48 | 20 | 0 | 8 | 280 8 |
| -1 | 282.98 | 20 | 3 | 0 | 283 0 |
| -2 | 285.50 | 20 | 5 | 8 | 285 8 |
| -3 | 288.05 | 20 | 8 | 1 | 288 1 |
| -4 | 290.60 | 20 | 10 | 10 | 290 10 |
| -5 | 293.17 | 20 | 13 | 3 | 293 3 |
| -6 | 295.74 | 21 | 1 | 12 | 295 12 |
| -7 | 298.33 | 21 | 4 | 5 | 298 5 |
| 45 -0 | 300.95 | 21 | 6 | 15 | 300 15 |
| -1 | 303.59 | 21 | 9 | 9 | 303 9 |
| -2 | 306.23 | 21 | 12 | 4 | 306 4 |
| -3 | 308.89 | 22 | 0 | 14 | 308 14 |
| -4 | 311.56 | 22 | 3 | 9 | 311 9 |
| -5 | 314.25 | 22 | 6 | 4 | 314 4 |
| -6 | 316.96 | 22 | 8 | 15 | 316 15 |
| -7 | 319.69 | 22 | 11 | 11 | 319 11 |
| 46 -0 | 322.43 | 23 | 0 | 7 | 322 7 |

Table XIV—MALES

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | Weight in Pounds and Ounces |
|---|---|--|-----------------------------------|
| 21 -0 | 38.39 | 2 10 6 | 38 6 |
| -1 | 39.02 | 2 11 0 | 39 0 |
| -2 | 39.65 | 2 11 10 | 39 15 |
| -3 | 40.30 | 2 12 5 | 40 5 |
| -4 | 40.94 | 2 12 15 | 40 15 |
| -5 | 41.60 | 2 13 10 | 41 10 |
| -6 | 42.17 | 3 0 3 | 42 3 |
| -7 | 42.93 | 3 0 15 | 42 15 |
| 22 -0 | 43.60 | 3 1 10 | 43 10 |
| -1 | 44.29 | 3 2 5 | 44 5 |
| -2 | 44.98 | 3 3 0 | 45 0 |
| -3 | 45.67 | 3 3 11 | 45 11 |
| -4 | 46.37 | 3 4 6 | 46 6 |
| -5 | 47.09 | 3 5 1 | 47 1 |
| -6 | 47.80 | 3 5 13 | 47 13 |
| -7 | 48.52 | 3 6 9 | 48 9 |
| 23 -0 | 49.25 | 3 7 4 | 49 4 |
| -1 | 49.99 | 3 8 0 | 50 0 |
| -2 | 50.73 | 3 8 12 | 50 12 |
| -3 | 51.48 | 3 9 8 | 51 8 |
| -4 | 52.24 | 3 10 4 | 52 4 |
| -5 | 53.01 | 3 11 0 | 53 0 |
| -6 | 53.78 | 3 11 12 | 53 12 |
| -7 | 54.56 | 3 12 9 | 54 9 |
| 24 -0 | 55.34 | 3 13 6 | 55 6 |
| -1 | 56.19 | 4 0 3 | 56 3 |
| -2 | 56.94 | 4 0 15 | 56 15 |
| -3 | 57.74 | 4 1 12 | 57 12 |
| -4 | 58.56 | 4 2 9 | 58 9 |
| -5 | 59.38 | 4 3 6 | 59 6 |
| -6 | 60.21 | 4 4 3 | 60 3 |
| -7 | 61.05 | 4 5 1 | 61 1 |

Table XIV—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | Weight in Pounds and Ounces |
|---|---|--|-----------------------------------|
| 25 -0 | 61.89 | 4 5 14 | 61 14 |
| -1 | 62.75 | 4 6 12 | 62 12 |
| -2 | 63.60 | 4 7 10 | 63 10 |
| -3 | 64.47 | 4 8 8 | 64 8 |
| -4 | 65.35 | 4 9 6 | 65 6 |
| -5 | 66.22 | 4 10 4 | 66 4 |
| -6 | 67.12 | 4 11 2 | 67 2 |
| -7 | 68.01 | 4 12 0 | 68 0 |
| 26 -0 | 68.91 | 4 12 15 | 68 15 |
| -1 | 69.83 | 4 13 13 | 69 13 |
| -2 | 70.75 | 5 0 12 | 70 12 |
| -3 | 71.67 | 5 1 11 | 71 11 |
| -4 | 72.61 | 5 2 10 | 72 10 |
| -5 | 73.55 | 5 3 9 | 73 9 |
| -6 | 74.50 | 5 4 8 | 74 8 |
| -7 | 75.46 | 5 5 7 | 75 7 |
| 27 -0 | 76.42 | 5 6 7 | 76 7 |
| -1 | 77.39 | 5 7 6 | 77 6 |
| -2 | 78.38 | 5 8 6 | 78 6 |
| -3 | 79.36 | 5 9 6 | 79 6 |
| -4 | 80.36 | 5 10 6 | 80 6 |
| -5 | 81.37 | 5 11 6 | 81 6 |
| -6 | 82.38 | 5 12 6 | 82 6 |
| -7 | 83.40 | 5 13 6 | 83 6 |
| 28 -0 | 84.43 | 6 0 7 | 84 7 |
| -1 | 85.46 | 6 1 7 | 85 7 |
| -2 | 86.51 | 6 2 8 | 86 8 |
| -3 | 87.57 | 6 3 9 | 87 9 |
| -4 | 88.62 | 6 4 10 | 88 10 |
| -5 | 89.70 | 6 5 11 | 89 11 |
| -6 | 90.77 | 6 6 12 | 90 12 |
| -7 | 91.86 | 6 7 14 | 91 14 |

Table XIV—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | Weight in Pounds and Ounces |
|---|---|--|-----------------------------------|
| 29 -0 | 92.95 | 6 8 15 | 92 15 |
| -1 | 94.05 | 6 10 1 | 94 1 |
| -2 | 95.16 | 6 11 3 | 95 3 |
| -3 | 96.28 | 6 12 4 | 96 4 |
| -4 | 97.41 | 6 13 6 | 97 6 |
| -5 | 98.54 | 7 0 9 | 98 9 |
| -6 | 99.69 | 7 1 11 | 99 11 |
| -7 | 100.84 | 7 2 13 | 100 13 |
| 30 -0 | 102.00 | 7 4 0 | 102 0 |
| -1 | 103.16 | 7 5 3 | 103 3 |
| -2 | 104.34 | 7 6 5 | 104 5 |
| -3 | 105.53 | 7 7 8 | 105 8 |
| -4 | 106.72 | 7 8 12 | 106 12 |
| -5 | 107.92 | 7 9 15 | 107 15 |
| -6 | 109.14 | 7 11 2 | 109 2 |
| -7 | 110.35 | 7 12 6 | 110 6 |
| 31 -0 | 111.58 | 7 13 9 | 111 9 |
| -1 | 112.82 | 8 0 13 | 112 13 |
| -2 | 114.06 | 8 2 1 | 114 1 |
| -3 | 115.32 | 8 3 5 | 115 5 |
| -4 | 116.58 | 8 4 9 | 116 9 |
| -5 | 117.85 | 8 5 14 | 117 14 |
| -6 | 119.13 | 8 7 2 | 119 2 |
| -7 | 120.42 | 8 8 7 | 120 7 |
| 32 -0 | 121.72 | 8 9 12 | 121 12 |
| -1 | 123.03 | 8 11 0 | 123 0 |
| -2 | 124.35 | 8 12 6 | 124 6 |
| -3 | 125.67 | 8 13 11 | 125 11 |
| -4 | 127.00 | 9 1 0 | 127 0 |
| -5 | 128.35 | 9 2 6 | 128 6 |
| -6 | 129.70 | 9 3 11 | 129 11 |
| -7 | 131.06 | 9 5 1 | 131 1 |

Table XIV—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces |
|---|---|--|----|----|-----------------------------------|
| 33 -0 | 132.42 | 9 | 6 | 7 | 132 7 |
| -1 | 133.81 | 9 | 7 | 13 | 133 13 |
| -2 | 135.20 | 9 | 9 | 3 | 135 3 |
| -3 | 136.59 | 9 | 10 | 9 | 136 9 |
| -4 | 137.99 | 9 | 12 | 0 | 138 0 |
| -5 | 139.41 | 9 | 13 | 7 | 139 7 |
| -6 | 140.84 | 10 | 0 | 13 | 140 13 |
| -7 | 142.27 | 10 | 2 | 4 | 142 4 |
| 34 -0 | 143.72 | 10 | 3 | 12 | 143 12 |
| -1 | 145.16 | 10 | 5 | 3 | 145 3 |
| -2 | 146.63 | 10 | 6 | 10 | 146 10 |
| -3 | 148.10 | 10 | 8 | 2 | 148 2 |
| -4 | 149.58 | 10 | 9 | 9 | 149 9 |
| -5 | 151.07 | 10 | 11 | 1 | 151 1 |
| -6 | 152.56 | 10 | 12 | 9 | 152 9 |
| -7 | 154.07 | 11 | 0 | 1 | 154 1 |
| 35 -0 | 155.60 | 11 | 1 | 10 | 155 10 |
| -1 | 157.13 | 11 | 3 | 2 | 157 2 |
| -2 | 158.66 | 11 | 4 | 11 | 158 11 |
| -3 | 160.21 | 11 | 6 | 3 | 160 3 |
| -4 | 161.76 | 11 | 7 | 12 | 161 12 |
| -5 | 163.32 | 11 | 9 | 5 | 163 5 |
| -6 | 164.94 | 11 | 10 | 15 | 164 15 |
| -7 | 166.48 | 11 | 12 | 8 | 166 8 |
| 36 -0 | 168.08 | 12 | 0 | 1 | 168 1 |
| -1 | 169.69 | 12 | 1 | 11 | 169 11 |
| -2 | 171.30 | 12 | 3 | 5 | 171 5 |
| -3 | 172.92 | 12 | 4 | 15 | 172 15 |
| -4 | 174.55 | 12 | 6 | 9 | 174 9 |
| -5 | 176.20 | 12 | 8 | 3 | 176 3 |
| -6 | 177.85 | 12 | 9 | 14 | 177 14 |
| -7 | 179.51 | 12 | 11 | 8 | 179 8 |

Table XIV—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces |
|---|---|--|----|----|-----------------------------------|
| 37 -0 | 181.18 | 12 | 13 | 3 | 181 3 |
| -1 | 182.87 | 13 | 0 | 14 | 182 14 |
| -2 | 184.56 | 13 | 2 | 9 | 184 9 |
| -3 | 186.26 | 13 | 4 | 4 | 186 4 |
| -4 | 187.97 | 13 | 6 | 0 | 188 0 |
| -5 | 189.69 | 13 | 7 | 11 | 189 11 |
| -6 | 191.43 | 13 | 9 | 7 | 191 7 |
| -7 | 193.16 | 13 | 11 | 3 | 193 3 |
| 38 -0 | 194.91 | 13 | 12 | 15 | 194 15 |
| -1 | 196.68 | 14 | 0 | 11 | 196 11 |
| -2 | 198.44 | 14 | 2 | 7 | 198 7 |
| -3 | 200.23 | 14 | 4 | 4 | 200 4 |
| -4 | 202.02 | 14 | 6 | 0 | 202 0 |
| -5 | 203.83 | 14 | 7 | 13 | 203 13 |
| -6 | 205.64 | 14 | 9 | 10 | 205 10 |
| -7 | 207.46 | 14 | 11 | 7 | 207 7 |
| 39 -0 | 209.29 | 14 | 13 | 5 | 209 5 |
| -1 | 211.13 | 15 | 1 | 2 | 211 2 |
| -2 | 212.99 | 15 | 3 | 0 | 213 0 |
| -3 | 214.85 | 15 | 4 | 14 | 214 14 |
| -4 | 216.73 | 15 | 6 | 12 | 216 12 |
| -5 | 218.61 | 15 | 8 | 10 | 218 10 |
| -6 | 220.51 | 15 | 10 | 8 | 220 8 |
| -7 | 222.41 | 15 | 12 | 7 | 222 7 |
| 40 -0 | 224.33 | 16 | 0 | 5 | 224 5 |
| -1 | 226.26 | 16 | 2 | 4 | 226 4 |
| -2 | 228.19 | 16 | 4 | 3 | 228 3 |
| -3 | 230.13 | 16 | 6 | 2 | 230 2 |
| -4 | 232.10 | 16 | 8 | 2 | 232 2 |
| -5 | 234.06 | 16 | 10 | 1 | 234 1 |
| -6 | 236.04 | 16 | 12 | 0 | 236 0 |
| -7 | 238.03 | 17 | 0 | 0 | 238 0 |

Table XIV—MALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces |
|---|---|--|----|----|-----------------------------------|
| 41 -0 | 240.02 | 17 | 2 | 0 | 240 0 |
| -1 | 242.04 | 17 | 4 | 1 | 242 1 |
| -2 | 244.05 | 17 | 6 | 1 | 244 1 |
| -3 | 246.09 | 17 | 8 | 1 | 246 1 |
| -4 | 248.13 | 17 | 10 | 2 | 248 2 |
| -5 | 250.18 | 17 | 12 | 3 | 250 3 |
| -6 | 252.25 | 18 | 0 | 4 | 252 4 |
| -7 | 254.31 | 18 | 2 | 5 | 254 5 |
| 42 -0 | 256.41 | 18 | 4 | 7 | 256 7 |
| -1 | 258.51 | 18 | 6 | 8 | 258 8 |
| -2 | 260.62 | 18 | 8 | 10 | 260 10 |
| -3 | 262.73 | 18 | 10 | 12 | 262 12 |
| -4 | 264.86 | 18 | 12 | 14 | 264 14 |
| -5 | 266.99 | 19 | 1 | 0 | 267 0 |
| -6 | 269.15 | 19 | 3 | 2 | 269 2 |
| -7 | 271.30 | 19 | 5 | 5 | 271 5 |
| 43 -0 | 273.48 | 19 | 7 | 8 | 273 8 |
| -1 | 275.66 | 19 | 9 | 11 | 275 11 |
| -2 | 277.87 | 19 | 11 | 14 | 277 14 |
| -3 | 280.07 | 20 | 0 | 1 | 280 1 |
| -4 | 282.28 | 20 | 2 | 4 | 282 4 |
| -5 | 284.52 | 20 | 4 | 8 | 284 8 |
| -6 | 286.75 | 20 | 6 | 12 | 286 12 |
| -7 | 289.00 | 20 | 9 | 0 | 289 0 |
| 44 -0 | 291.25 | 20 | 11 | 4 | 291 4 |
| -1 | 293.52 | 20 | 13 | 8 | 293 8 |
| -2 | 295.81 | 21 | 1 | 13 | 295 13 |
| -3 | 298.11 | 21 | 4 | 2 | 298 2 |
| -4 | 300.42 | 21 | 6 | 7 | 300 7 |
| -5 | 302.74 | 21 | 8 | 12 | 302 12 |
| -6 | 305.06 | 21 | 11 | 1 | 305 1 |
| -7 | 307.40 | 21 | 13 | 6 | 307 6 |

Table XV.—MALES

Showing the normal circumference of the *chest* in inches and decimals of inches, and in inches and eighths of inches, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches | Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches |
|---|---|--|---|---|--|
| 24 -0 | 21·69 | 21 -6 | 28 -0 | 25·87 | 25 -7 |
| -1 | ·82 | -7 | -1 | 26·01 | 26 -0 |
| -2 | ·95 | 22 -0 | -2 | ·14 | -1 |
| -3 | 22·08 | -1 | -3 | ·27 | -2 |
| -4 | ·21 | -2 | -4 | ·40 | -3 |
| -5 | ·34 | -3 | -5 | ·54 | -4 |
| -6 | ·47 | -4 | -6 | ·67 | -5 |
| -7 | ·60 | -5 | -7 | ·80 | -6 |
| 25 -0 | ·73 | -6 | 29 -0 | ·94 | -7 |
| -1 | ·86 | -7 | -1 | 27·07 | 27 -1 |
| -2 | ·99 | 23 -0 | -2 | ·20 | -2 |
| -3 | 23·12 | -1 | -3 | ·33 | -3 |
| -4 | ·25 | -2 | -4 | ·47 | -4 |
| -5 | ·38 | -3 | -5 | ·60 | -5 |
| -6 | ·51 | -4 | -6 | ·73 | -6 |
| -7 | ·64 | -5 | -7 | ·87 | -7 |
| 26 -0 | ·77 | -6 | 30 -0 | 28·00 | 28 -0 |
| -1 | ·90 | -7 | -1 | ·13 | -1 |
| -2 | 24·03 | 24 -0 | -2 | ·20 | -2 |
| -3 | ·16 | -1 | -3 | ·40 | -3 |
| -4 | ·30 | -2 | -4 | ·53 | -4 |
| -5 | ·43 | -3 | -5 | ·67 | -5 |
| -6 | ·56 | -4 | -6 | ·80 | -6 |
| -7 | ·69 | -5 | -7 | ·94 | -7 |
| 27 -0 | ·81 | -6 | 31 -0 | 29·07 | 29 -1 |
| -1 | ·95 | 25 -0 | -1 | ·20 | -2 |
| -2 | 25·08 | -1 | -2 | ·34 | -3 |
| -3 | ·21 | -2 | -3 | ·47 | -4 |
| -4 | ·35 | -3 | -4 | ·61 | -5 |
| -5 | ·48 | -4 | -5 | ·74 | -6 |
| -6 | ·61 | -5 | -6 | ·88 | -7 |
| -7 | ·74 | -6 | -7 | 30·01 | 30 -0 |

Table XV.—MALES (*Continued*)

Showing the normal circumference of the *chest* in inches and decimals of inches, and in inches and eighths of inches, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches | Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches |
|---|---|--|---|---|--|
| 32 -0 | 30·15 | 30 -1 | 36 -0 | 34·50 | 34 -4 |
| -1 | ·28 | -2 | -1 | ·63 | -5 |
| -2 | ·42 | -3 | -2 | ·77 | -6 |
| -3 | ·55 | -4 | -3 | ·91 | -7 |
| -4 | ·69 | -5 | -4 | 35·04 | 35 -0 |
| -5 | ·82 | -7 | -5 | ·18 | -1 |
| -6 | ·96 | 31 -0 | -6 | ·32 | -3 |
| -7 | 31·09 | -1 | -7 | ·46 | -4 |
| 33 -0 | ·23 | -2 | 37 -0 | ·59 | -5 |
| -1 | ·36 | -3 | -1 | ·73 | -6 |
| -2 | ·50 | -4 | -2 | ·87 | -7 |
| -3 | ·63 | -5 | -3 | 36·01 | 36 -0 |
| -4 | ·77 | -6 | -4 | ·14 | -1 |
| -5 | ·90 | -7 | -5 | ·28 | -2 |
| -6 | 32·04 | 32 -0 | -6 | ·42 | -3 |
| -7 | ·18 | -1 | -7 | ·56 | -4 |
| 34 -0 | ·31 | -2 | 38 -0 | ·70 | -6 |
| -1 | ·45 | -4 | -1 | ·83 | -7 |
| -2 | ·58 | -5 | -2 | ·97 | 37 -0 |
| -3 | ·72 | -6 | -3 | 37·11 | -1 |
| -4 | ·86 | -7 | -4 | ·25 | -2 |
| -5 | ·99 | 33 -0 | -5 | ·39 | -3 |
| -6 | 33·13 | -1 | -6 | ·53 | -4 |
| -7 | ·26 | -2 | -7 | ·66 | -5 |
| 35 -0 | ·40 | -3 | 39 -0 | ·80 | -6 |
| -1 | ·54 | -4 | -1 | ·94 | 38 -0 |
| -2 | ·67 | -5 | -2 | 38·08 | -1 |
| -3 | ·81 | -6 | -3 | ·22 | -2 |
| -4 | ·95 | 34 -0 | -4 | ·36 | -3 |
| -5 | 34·08 | -1 | -5 | ·50 | -4 |
| -6 | ·22 | -2 | -6 | ·64 | -5 |
| -7 | ·36 | -3 | -7 | ·78 | -6 |

Table XV.—MALES (*Continued*)

Showing the normal circumference of the *chest* in inches and decimals of inches, and in inches and eighths of inches, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches | Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches |
|---|---|--|---|---|--|
| 40 - 0 | 38.91 | 38 - 7 | 43 - 0 | 42.27 | 42 - 2 |
| - 1 | 39.05 | 39 - 0 | - 1 | .41 | - 3 |
| - 2 | .19 | - 2 | - 2 | .55 | - 4 |
| - 3 | .33 | - 3 | - 3 | .69 | - 6 |
| - 4 | .47 | - 4 | - 4 | .83 | - 7 |
| - 5 | .61 | - 5 | - 5 | .98 | 43 - 0 |
| - 6 | .75 | - 6 | - 6 | 43.12 | - 1 |
| - 7 | .89 | - 7 | - 7 | .26 | - 2 |
| 41 - 0 | 40.03 | 40 - 0 | 44 - 0 | .40 | - 3 |
| - 1 | .17 | - 1 | - 1 | .54 | - 4 |
| - 2 | .31 | - 2 | - 2 | .68 | - 5 |
| - 3 | .45 | - 4 | - 3 | .82 | - 7 |
| - 4 | .59 | - 5 | - 4 | .96 | 44 - 0 |
| - 5 | .73 | - 6 | - 5 | 44.10 | - 1 |
| - 6 | .87 | - 7 | - 6 | .25 | - 2 |
| - 7 | 41.01 | 41 - 0 | - 7 | .39 | - 3 |
| 42 - 0 | .15 | - 1 | 45 - 0 | .53 | - 4 |
| - 1 | .29 | - 2 | - 1 | .67 | - 5 |
| - 2 | .43 | - 3 | - 2 | .81 | - 6 |
| - 3 | .47 | - 4 | - 3 | .95 | 45 - 0 |
| - 4 | .71 | - 6 | - 4 | 45.10 | - 1 |
| - 5 | .85 | - 7 | - 5 | .24 | - 2 |
| - 6 | .99 | 42 - 0 | - 6 | .38 | - 3 |
| - 7 | 42.13 | - 1 | - 7 | .52 | - 4 |

Table XVI.—MALES

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | |
|--------------------------------------|------------------------|--|---------|---------|--------------------------------------|------------------------|--|---------|---------|
| | | CLASS A | CLASS B | CLASS C | | | CLASS A | CLASS B | CLASS C |
| 2 12 | 40 | 1688 | 1541 | 1442 | 5 0 | 70 | 2526 | 2306 | 2157 |
| 2 13 | 41 | 1719 | 1569 | 1468 | 5 1 | 71 | 2552 | 2330 | 2179 |
| 3 0 | 42 | 1749 | 1597 | 1493 | 5 2 | 72 | 2578 | 2353 | 2201 |
| 3 1 | 43 | 1779 | 1624 | 1519 | 5 3 | 73 | 2603 | 2377 | 2223 |
| 3 2 | 44 | 1808 | 1651 | 1544 | 5 4 | 74 | 2629 | 2400 | 2245 |
| 3 3 | 45 | 1838 | 1678 | 1569 | 5 5 | 75 | 2655 | 2424 | 2267 |
| 3 4 | 46 | 1867 | 1705 | 1594 | 5 6 | 76 | 2680 | 2447 | 2289 |
| 3 5 | 47 | 1896 | 1731 | 1619 | 5 7 | 77 | 2705 | 2470 | 2310 |
| 3 6 | 48 | 1925 | 1758 | 1644 | 5 8 | 78 | 2731 | 2493 | 2332 |
| 3 7 | 49 | 1954 | 1784 | 1669 | 5 9 | 79 | 2756 | 2516 | 2354 |
| 3 8 | 50 | 1983 | 1810 | 1693 | 5 10 | 80 | 2781 | 2539 | 2375 |
| 3 9 | 51 | 2011 | 1836 | 1717 | 5 11 | 81 | 2806 | 2562 | 2396 |
| 3 10 | 52 | 2039 | 1862 | 1742 | 5 12 | 82 | 2831 | 2584 | 2417 |
| 3 11 | 53 | 2067 | 1888 | 1766 | 5 13 | 83 | 2856 | 2607 | 2439 |
| 3 12 | 54 | 2095 | 1913 | 1790 | 6 0 | 84 | 2880 | 2630 | 2460 |
| 3 13 | 55 | 2123 | 1939 | 1813 | 6 1 | 85 | 2905 | 2652 | 2481 |
| 4 0 | 56 | 2151 | 1964 | 1837 | 6 2 | 86 | 2930 | 2675 | 2502 |
| 4 1 | 57 | 2179 | 1989 | 1861 | 6 3 | 87 | 2954 | 2697 | 2523 |
| 4 2 | 58 | 2206 | 2014 | 1884 | 6 4 | 88 | 2978 | 2719 | 2543 |
| 4 3 | 59 | 2233 | 2039 | 1907 | 6 5 | 89 | 3003 | 2742 | 2564 |
| 4 4 | 60 | 2261 | 2064 | 1931 | 6 6 | 90 | 3027 | 2764 | 2585 |
| 4 5 | 61 | 2288 | 2089 | 1954 | 6 7 | 91 | 3051 | 2786 | 2606 |
| 4 6 | 62 | 2315 | 2113 | 1977 | 6 8 | 92 | 3075 | 2808 | 2626 |
| 4 7 | 63 | 2341 | 2138 | 2000 | 6 9 | 93 | 3099 | 2830 | 2647 |
| 4 8 | 64 | 2368 | 2162 | 2022 | 6 10 | 94 | 3123 | 2852 | 2667 |
| 4 9 | 65 | 2395 | 2186 | 2045 | 6 11 | 95 | 3147 | 2873 | 2688 |
| 4 10 | 66 | 2421 | 2211 | 2068 | 6 12 | 96 | 3171 | 2895 | 2708 |
| 4 11 | 67 | 2448 | 2235 | 2090 | 6 13 | 97 | 3193 | 2915 | 2727 |
| 4 12 | 68 | 2474 | 2259 | 2113 | 7 0 | 98 | 3218 | 2938 | 2749 |
| 4 13 | 69 | 2500 | 2282 | 2135 | 7 1 | 99 | 3242 | 2951 | 2760 |

Table XVI.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | |
|--------------------------------------|------------------------|--|---------|---------|--------------------------------------|------------------------|--|---------|---------|
| | | CLASS A | CLASS B | CLASS C | | | CLASS A | CLASS B | CLASS C |
| 7 2 | 100 | 3266 | 2981 | 2789 | 9 4 | 130 | 3945 | 3601 | 3369 |
| 7 3 | 101 | 3289 | 3003 | 2809 | 9 5 | 131 | 3966 | 3621 | 3387 |
| 7 4 | 102 | 3312 | 3024 | 2829 | 9 6 | 132 | 3988 | 3641 | 3406 |
| 7 5 | 103 | 3336 | 3046 | 2849 | 9 7 | 133 | 4010 | 3661 | 3424 |
| 7 6 | 104 | 3359 | 3067 | 2869 | 9 8 | 134 | 4031 | 3681 | 3443 |
| 7 7 | 105 | 3382 | 3088 | 2889 | 9 9 | 135 | 4053 | 3701 | 3461 |
| 7 8 | 106 | 3405 | 3109 | 2908 | 9 10 | 136 | 4075 | 3720 | 3480 |
| 7 9 | 107 | 3429 | 3130 | 2928 | 9 11 | 137 | 4096 | 3740 | 3498 |
| 7 10 | 108 | 3452 | 3151 | 2948 | 9 12 | 138 | 4118 | 3760 | 3517 |
| 7 11 | 109 | 3475 | 3172 | 2967 | 9 13 | 139 | 4139 | 3779 | 3535 |
| 7 12 | 110 | 3497 | 3193 | 2987 | 10 0 | 140 | 4161 | 3799 | 3553 |
| 7 13 | 111 | 3520 | 3214 | 3006 | 10 1 | 141 | 4182 | 3818 | 3572 |
| 8 0 | 112 | 3543 | 3235 | 3026 | 10 2 | 142 | 4203 | 3838 | 3590 |
| 8 1 | 113 | 3566 | 3256 | 3045 | 10 3 | 143 | 4225 | 3857 | 3608 |
| 8 2 | 114 | 3589 | 3276 | 3065 | 10 4 | 144 | 4246 | 3877 | 3626 |
| 8 3 | 115 | 3611 | 3297 | 3084 | 10 5 | 145 | 4267 | 3896 | 3644 |
| 8 4 | 116 | 3634 | 3318 | 3103 | 10 6 | 146 | 4288 | 3915 | 3662 |
| 8 5 | 117 | 3656 | 3338 | 3123 | 10 7 | 147 | 4309 | 3935 | 3680 |
| 8 6 | 118 | 3679 | 3359 | 3142 | 10 8 | 148 | 4331 | 3954 | 3698 |
| 8 7 | 119 | 3701 | 3379 | 3161 | 10 9 | 149 | 4352 | 3973 | 3716 |
| 8 8 | 120 | 3724 | 3400 | 3180 | 10 10 | 150 | 4373 | 3992 | 3734 |
| 8 9 | 121 | 3746 | 3420 | 3199 | 10 11 | 151 | 4394 | 4011 | 3752 |
| 8 10 | 122 | 3768 | 3440 | 3218 | 10 12 | 152 | 4414 | 4030 | 3770 |
| 8 11 | 123 | 3790 | 3461 | 3237 | 10 13 | 153 | 4435 | 4050 | 3788 |
| 8 12 | 124 | 3813 | 3481 | 3256 | 11 0 | 154 | 4456 | 4069 | 3806 |
| 8 13 | 125 | 3835 | 3501 | 3275 | 11 1 | 155 | 4477 | 4088 | 3823 |
| 9 0 | 126 | 3857 | 3521 | 3294 | 11 2 | 156 | 4498 | 4107 | 3841 |
| 9 1 | 127 | 3879 | 3541 | 3312 | 11 3 | 157 | 4519 | 4126 | 3859 |
| 9 2 | 128 | 3901 | 3561 | 3331 | 11 4 | 158 | 4539 | 4144 | 3877 |
| 9 3 | 129 | 3923 | 3581 | 3350 | 11 5 | 159 | 4560 | 4163 | 3894 |

Table XVI.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | |
|--------------------------------------|------------------------|--|---------|---------|--------------------------------------|------------------------|--|---------|---------|
| | | CLASS A | CLASS B | CLASS C | | | CLASS A | CLASS B | CLASS C |
| 11 6 | 160 | 4581 | 4182 | 3912 | 13 8 | 190 | 5184 | 4733 | 4427 |
| 11 7 | 161 | 4601 | 4201 | 3929 | 13 9 | 191 | 5203 | 4751 | 4444 |
| 11 8 | 162 | 4622 | 4220 | 3947 | 13 10 | 192 | 5223 | 4769 | 4461 |
| 11 9 | 163 | 4642 | 4238 | 3965 | 13 11 | 193 | 5243 | 4787 | 4477 |
| 11 10 | 164 | 4663 | 4257 | 3982 | 13 12 | 194 | 5262 | 4804 | 4494 |
| 11 11 | 165 | 4683 | 4276 | 4000 | 13 13 | 195 | 5282 | 4822 | 4511 |
| 11 12 | 166 | 4704 | 4294 | 4017 | 14 0 | 196 | 5301 | 4840 | 4527 |
| 11 13 | 167 | 4724 | 4313 | 4034 | 14 1 | 197 | 5321 | 4858 | 4544 |
| 12 0 | 168 | 4744 | 4332 | 4052 | 14 2 | 198 | 5340 | 4876 | 4560 |
| 12 1 | 169 | 4765 | 4350 | 4069 | 14 3 | 199 | 5359 | 4893 | 4577 |
| 12 2 | 170 | 4785 | 4369 | 4086 | 14 4 | 200 | 5379 | 4911 | 4594 |
| 12 3 | 171 | 4805 | 4387 | 4104 | 14 5 | 201 | 5398 | 4929 | 4610 |
| 12 4 | 172 | 4825 | 4406 | 4121 | 14 6 | 202 | 5418 | 4946 | 4627 |
| 12 5 | 173 | 4846 | 4424 | 4138 | 14 7 | 203 | 5437 | 4964 | 4643 |
| 12 6 | 174 | 4866 | 4443 | 4155 | 14 8 | 204 | 5456 | 4981 | 4660 |
| 12 7 | 175 | 4886 | 4461 | 4173 | 14 9 | 205 | 5475 | 4999 | 4676 |
| 12 8 | 176 | 4906 | 4479 | 4190 | 14 10 | 206 | 5495 | 5017 | 4692 |
| 12 9 | 177 | 4926 | 4497 | 4207 | 14 11 | 207 | 5514 | 5034 | 4709 |
| 12 10 | 178 | 4946 | 4516 | 4224 | 14 12 | 208 | 5533 | 5052 | 4725 |
| 12 11 | 179 | 4966 | 4534 | 4241 | 14 13 | 209 | 5552 | 5069 | 4742 |
| 12 12 | 180 | 4986 | 4552 | 4258 | 15 0 | 210 | 5571 | 5087 | 4758 |
| 12 13 | 181 | 5006 | 4571 | 4275 | 15 1 | 211 | 5590 | 5104 | 4774 |
| 13 0 | 182 | 5026 | 4589 | 4292 | 15 2 | 212 | 5609 | 5121 | 4790 |
| 13 1 | 183 | 5046 | 4607 | 4309 | 15 3 | 213 | 5628 | 5139 | 4807 |
| 13 2 | 184 | 5066 | 4625 | 4326 | 15 4 | 214 | 5647 | 5156 | 4823 |
| 13 3 | 185 | 5085 | 4643 | 4343 | 15 5 | 215 | 5666 | 5173 | 4839 |
| 13 4 | 186 | 5105 | 4661 | 4360 | 15 6 | 216 | 5685 | 5191 | 4855 |
| 13 5 | 187 | 5125 | 4679 | 4377 | 15 7 | 217 | 5704 | 5208 | 4872 |
| 13 6 | 188 | 5145 | 4697 | 4394 | 15 8 | 218 | 5723 | 5225 | 4888 |
| 13 7 | 189 | 5164 | 4715 | 4410 | 15 9 | 219 | 5742 | 5243 | 4904 |

Table XVI.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | |
|--------------------------------------|------------------------|--|---------|---------|--------------------------------------|------------------------|--|---------|---------|
| | | CLASS A | CLASS B | CLASS C | | | CLASS A | CLASS B | CLASS C |
| 15 10 | 220 | 5761 | 5260 | 4920 | 17 12 | 250 | 6316 | 5767 | 5394 |
| 15 11 | 221 | 5780 | 5277 | 4936 | 17 13 | 251 | 6335 | 5783 | 5410 |
| 15 12 | 222 | 5799 | 5294 | 4952 | 18 0 | 252 | 6353 | 5800 | 5425 |
| 15 13 | 223 | 5817 | 5311 | 4968 | 18 1 | 253 | 6371 | 5817 | 5441 |
| 16 0 | 224 | 5836 | 5329 | 4984 | 18 2 | 254 | 6389 | 5833 | 5456 |
| | | | | | | | | | |
| 16 1 | 225 | 5855 | 5346 | 5000 | 18 3 | 255 | 6407 | 5850 | 5472 |
| 16 2 | 226 | 5874 | 5363 | 5016 | 18 4 | 256 | 6425 | 5866 | 5487 |
| 16 3 | 227 | 5892 | 5380 | 5032 | 18 5 | 257 | 6443 | 5883 | 5503 |
| 16 4 | 228 | 5911 | 5397 | 5048 | 18 6 | 258 | 6461 | 5899 | 5518 |
| 16 5 | 229 | 5930 | 5414 | 5064 | 18 7 | 259 | 6479 | 5916 | 5533 |
| | | | | | | | | | |
| 16 6 | 230 | 5948 | 5431 | 5080 | 18 8 | 260 | 6497 | 5932 | 5549 |
| 16 7 | 231 | 5967 | 5448 | 5096 | 18 9 | 261 | 6515 | 5948 | 5564 |
| 16 8 | 232 | 5986 | 5465 | 5112 | 18 10 | 262 | 6533 | 5965 | 5579 |
| 16 9 | 233 | 6004 | 5482 | 5128 | 18 11 | 263 | 6551 | 5981 | 5595 |
| 16 10 | 234 | 6023 | 5499 | 5143 | 18 12 | 264 | 6569 | 5998 | 5610 |
| | | | | | | | | | |
| 16 11 | 235 | 6041 | 5516 | 5159 | 18 13 | 265 | 6587 | 6014 | 5625 |
| 16 12 | 236 | 6060 | 5533 | 5175 | 19 0 | 266 | 6605 | 6030 | 5641 |
| 16 13 | 237 | 6078 | 5549 | 5191 | 19 1 | 267 | 6623 | 6047 | 5656 |
| 17 0 | 238 | 6097 | 5566 | 5207 | 19 2 | 268 | 6641 | 6063 | 5671 |
| 17 1 | 239 | 6115 | 5583 | 5222 | 19 3 | 269 | 6658 | 6079 | 5686 |
| | | | | | | | | | |
| 17 2 | 240 | 6133 | 5600 | 5238 | 19 4 | 270 | 6676 | 6095 | 5702 |
| 17 3 | 241 | 6152 | 5617 | 5254 | 19 5 | 271 | 6694 | 6112 | 5717 |
| 17 4 | 242 | 6170 | 5633 | 5269 | 19 6 | 272 | 6712 | 6128 | 5732 |
| 17 5 | 243 | 6189 | 5650 | 5285 | 19 7 | 273 | 6730 | 6144 | 5747 |
| 17 6 | 244 | 6207 | 5667 | 5301 | 19 8 | 274 | 6747 | 6160 | 5762 |
| | | | | | | | | | |
| 17 7 | 245 | 6225 | 5684 | 5316 | 19 9 | 275 | 6765 | 6176 | 5777 |
| 17 8 | 246 | 6244 | 5700 | 5332 | 19 10 | 276 | 6783 | 6193 | 5793 |
| 17 9 | 247 | 6262 | 5717 | 5348 | 19 11 | 277 | 6801 | 6209 | 5808 |
| 17 10 | 248 | 6280 | 5734 | 5363 | 19 12 | 278 | 6818 | 6225 | 5823 |
| 17 11 | 249 | 6298 | 5750 | 5379 | 19 13 | 279 | 6836 | 6241 | 5838 |

Table XVI.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | | | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | | | Vital Capacity in Cubic Centimetres | | |
|-----------------------------|---|-----|-------------------------------------|---------|---------|-----------------------------|----|-----|-------------------------------------|---------|---------|
| | | | CLASS A | CLASS B | CLASS C | | | | CLASS A | CLASS B | CLASS C |
| 20 | 0 | 280 | 6854 | 6257 | 5853 | 20 | 10 | 290 | 7029 | 6417 | 6003 |
| 20 | 1 | 281 | 6871 | 6273 | 5868 | 20 | 11 | 291 | 7046 | 6433 | 6017 |
| 20 | 2 | 282 | 6889 | 6289 | 5883 | 20 | 12 | 292 | 7064 | 6449 | 6032 |
| 20 | 3 | 283 | 6906 | 6305 | 5898 | 20 | 13 | 293 | 7081 | 6465 | 6047 |
| 20 | 4 | 284 | 6924 | 6321 | 5913 | 21 | 0 | 294 | 7098 | 6481 | 6062 |
| 20 | 5 | 285 | 6941 | 6337 | 5928 | 21 | 1 | 295 | 7116 | 6497 | 6077 |
| 20 | 6 | 286 | 6959 | 6354 | 5943 | 21 | 2 | 296 | 7133 | 6513 | 6092 |
| 20 | 7 | 287 | 6976 | 6369 | 5958 | 21 | 3 | 297 | 7151 | 6529 | 6107 |
| 20 | 8 | 288 | 6994 | 6385 | 5973 | 21 | 4 | 298 | 7168 | 6544 | 6121 |
| 20 | 9 | 289 | 7011 | 6401 | 5988 | 21 | 5 | 299 | 7185 | 6560 | 6136 |

Table XVII.—MALES

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|---|--|---------|---------|---|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 24 -0 | 1747 | 1595 | 1492 | 28 -0 | 2474 | 2259 | 2113 |
| -1 | 1768 | 1614 | 1510 | -1 | 2499 | 2282 | 2134 |
| -2 | 1788 | 1633 | 1527 | -2 | 2524 | 2305 | 2156 |
| -3 | 1809 | 1652 | 1545 | -3 | 2550 | 2328 | 2177 |
| -4 | 1830 | 1671 | 1563 | -4 | 2575 | 2351 | 2199 |
| -5 | 1851 | 1690 | 1581 | -5 | 2600 | 2374 | 2221 |
| -6 | 1873 | 1710 | 1599 | -6 | 2626 | 2398 | 2243 |
| -7 | 1894 | 1729 | 1618 | -7 | 2652 | 2421 | 2265 |
| 25 -0 | 1916 | 1749 | 1636 | 29 -0 | 2678 | 2445 | 2287 |
| -1 | 1937 | 1769 | 1655 | -1 | 2704 | 2469 | 2309 |
| -2 | 1959 | 1789 | 1673 | -2 | 2730 | 2493 | 2332 |
| -3 | 1981 | 1809 | 1692 | -3 | 2757 | 2517 | 2354 |
| -4 | 2003 | 1829 | 1711 | -4 | 2783 | 2541 | 2377 |
| -5 | 2025 | 1849 | 1730 | -5 | 2810 | 2566 | 2400 |
| -6 | 2048 | 1870 | 1749 | -6 | 2837 | 2590 | 2423 |
| -7 | 2070 | 1890 | 1768 | -7 | 2864 | 2615 | 2446 |
| 26 -0 | 2093 | 1911 | 1787 | 30 -0 | 2891 | 2639 | 2469 |
| -1 | 2116 | 1932 | 1807 | -1 | 2918 | 2664 | 2492 |
| -2 | 2139 | 1953 | 1826 | -2 | 2945 | 2689 | 2515 |
| -3 | 2162 | 1974 | 1846 | -3 | 2973 | 2714 | 2539 |
| -4 | 2185 | 1995 | 1866 | -4 | 3001 | 2740 | 2563 |
| -5 | 2208 | 2016 | 1886 | -5 | 3029 | 2765 | 2586 |
| -6 | 2232 | 2038 | 1906 | -6 | 3057 | 2791 | 2610 |
| -7 | 2255 | 2059 | 1926 | -7 | 3085 | 2816 | 2634 |
| 27 -0 | 2279 | 2081 | 1946 | 31 -0 | 3113 | 2842 | 2658 |
| -1 | 2303 | 2103 | 1967 | -1 | 3141 | 2868 | 2683 |
| -2 | 2327 | 2125 | 1987 | -2 | 3170 | 2894 | 2707 |
| -3 | 2351 | 2147 | 2008 | -3 | 3199 | 2920 | 2732 |
| -4 | 2375 | 2169 | 2029 | -4 | 3227 | 2947 | 2756 |
| -5 | 2400 | 2191 | 2049 | -5 | 3256 | 2973 | 2781 |
| -6 | 2424 | 2214 | 2070 | -6 | 3285 | 3000 | 2806 |
| -7 | 2449 | 2236 | 2092 | -7 | 3315 | 3026 | 2831 |

Table XVII.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|---|--|---------|---------|---|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 32 - 0 | 3344 | 3053 | 2856 | 36 - 0 | 4362 | 3983 | 3726 |
| - 1 | 3374 | 3080 | 2881 | - 1 | 4397 | 4014 | 3755 |
| - 2 | 3403 | 3107 | 2907 | - 2 | 4431 | 4046 | 3784 |
| - 3 | 3433 | 3135 | 2932 | - 3 | 4466 | 4077 | 3814 |
| - 4 | 3463 | 3162 | 2958 | - 4 | 4500 | 4109 | 3843 |
| - 5 | 3493 | 3189 | 2983 | - 5 | 4534 | 4140 | 3872 |
| - 6 | 3524 | 3217 | 3009 | - 6 | 4570 | 4173 | 3903 |
| - 7 | 3554 | 3245 | 3035 | - 7 | 4605 | 4205 | 3933 |
| 33 - 0 | 3585 | 3273 | 3061 | 37 - 0 | 4641 | 4237 | 3963 |
| - 1 | 3615 | 3301 | 3088 | - 1 | 4676 | 4270 | 3994 |
| - 2 | 3646 | 3329 | 3114 | - 2 | 4712 | 4302 | 4024 |
| - 3 | 3677 | 3357 | 3140 | - 3 | 4748 | 4335 | 4055 |
| - 4 | 3708 | 3386 | 3167 | - 4 | 4784 | 4367 | 4085 |
| - 5 | 3740 | 3414 | 3194 | - 5 | 4820 | 4400 | 4116 |
| - 6 | 3771 | 3443 | 3221 | - 6 | 4856 | 4433 | 4147 |
| - 7 | 3803 | 3472 | 3248 | - 7 | 4892 | 4467 | 4178 |
| 34 - 0 | 3835 | 3501 | 3275 | 38 - 0 | 4929 | 4500 | 4209 |
| - 1 | 3866 | 3530 | 3302 | - 1 | 4965 | 4533 | 4241 |
| - 2 | 3898 | 3559 | 3329 | - 2 | 5002 | 4567 | 4272 |
| - 3 | 3931 | 3589 | 3357 | - 3 | 5039 | 4601 | 4304 |
| - 4 | 3963 | 3618 | 3384 | - 4 | 5076 | 4635 | 4335 |
| - 5 | 3995 | 3648 | 3412 | - 5 | 5114 | 4669 | 4367 |
| - 6 | 4028 | 3678 | 3440 | - 6 | 5151 | 4703 | 4399 |
| - 7 | 4061 | 3708 | 3468 | - 7 | 5189 | 4737 | 4431 |
| 35 - 0 | 4094 | 3738 | 3496 | 39 - 0 | 5226 | 4771 | 4463 |
| - 1 | 4127 | 3768 | 3524 | - 1 | 5264 | 4806 | 4496 |
| - 2 | 4160 | 3798 | 3553 | - 2 | 5302 | 4841 | 4528 |
| - 3 | 4194 | 3829 | 3581 | - 3 | 5340 | 4876 | 4561 |
| - 4 | 4227 | 3859 | 3610 | - 4 | 5379 | 4911 | 4594 |
| - 5 | 4261 | 3890 | 3639 | - 5 | 5417 | 4946 | 4626 |
| - 6 | 4295 | 3921 | 3668 | - 6 | 5456 | 4981 | 4659 |
| - 7 | 4328 | 3952 | 3696 | - 7 | 5495 | 5017 | 4693 |

Table XVII.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|---|--|---------|---------|---|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 40 -0 | 5534 | 5052 | 4726 | 43 -0 | 6515 | 5948 | 5564 |
| -1 | 5573 | 5088 | 4759 | -1 | 6558 | 5987 | 5600 |
| -2 | 5612 | 5124 | 4793 | -2 | 6601 | 6026 | 5637 |
| -3 | 5651 | 5160 | 4826 | -3 | 6644 | 6066 | 5674 |
| -4 | 5691 | 5196 | 4860 | -4 | 6687 | 6105 | 5711 |
| -5 | 5731 | 5232 | 4894 | -5 | 6731 | 6145 | 5748 |
| -6 | 5771 | 5269 | 4928 | -6 | 6774 | 6185 | 5785 |
| -7 | 5811 | 5305 | 4962 | -7 | 6818 | 6225 | 5823 |
| 41 -0 | 5851 | 5342 | 4996 | 44 -0 | 6862 | 6265 | 5860 |
| -1 | 5891 | 5379 | 5031 | -1 | 6906 | 6305 | 5897 |
| -2 | 5931 | 5415 | 5065 | -2 | 6950 | 6345 | 5935 |
| -3 | 5972 | 5453 | 5100 | -3 | 6994 | 6386 | 5973 |
| -4 | 6013 | 5490 | 5135 | -4 | 7039 | 6427 | 6011 |
| -5 | 6054 | 5527 | 5170 | -5 | 7084 | 6467 | 6050 |
| -6 | 6095 | 5565 | 5205 | -6 | 7128 | 6508 | 6088 |
| -7 | 6136 | 5602 | 5240 | -7 | 7173 | 6549 | 6126 |
| 42 -0 | 6178 | 5640 | 5276 | 45 -0 | 7219 | 6591 | 6165 |
| -1 | 6219 | 5678 | 5311 | -1 | 7264 | 6632 | 6204 |
| -2 | 6261 | 5717 | 5347 | -2 | 7310 | 6674 | 6242 |
| -3 | 6303 | 5755 | 5383 | -3 | 7355 | 6715 | 6281 |
| -4 | 6345 | 5793 | 5419 | -4 | 7401 | 6757 | 6321 |
| -5 | 6387 | 5831 | 5455 | -5 | 7447 | 6799 | 6360 |
| -6 | 6430 | 5870 | 5491 | -6 | 7493 | 6842 | 6399 |
| -7 | 6472 | 5909 | 5527 | -7 | 7540 | 6884 | 6439 |

Table XVIII.—MALES

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|--|--|---------|---------|--|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 21 - 0 | 1638 | 1496 | 1399 | 25 - 0 | 2312 | 2110 | 1974 |
| - 1 | 1658 | 1514 | 1416 | - 1 | 2334 | 2131 | 1994 |
| - 2 | 1677 | 1532 | 1433 | - 2 | 2357 | 2152 | 2013 |
| - 3 | 1697 | 1549 | 1449 | - 3 | 2381 | 2173 | 2033 |
| - 4 | 1717 | 1567 | 1466 | - 4 | 2404 | 2195 | 2053 |
| - 5 | 1736 | 1585 | 1483 | - 5 | 2427 | 2216 | 2073 |
| - 6 | 1756 | 1603 | 1500 | - 6 | 2450 | 2237 | 2093 |
| - 7 | 1776 | 1622 | 1517 | - 7 | 2474 | 2259 | 2113 |
| 22 - 0 | 1796 | 1640 | 1534 | 26 - 0 | 2498 | 2280 | 2133 |
| - 1 | 1816 | 1658 | 1551 | - 1 | 2521 | 2302 | 2153 |
| - 2 | 1837 | 1677 | 1569 | - 2 | 2545 | 2324 | 2174 |
| - 3 | 1857 | 1696 | 1586 | - 3 | 2569 | 2346 | 2194 |
| - 4 | 1878 | 1714 | 1604 | - 4 | 2593 | 2368 | 2215 |
| - 5 | 1898 | 1733 | 1621 | - 5 | 2617 | 2390 | 2235 |
| - 6 | 1919 | 1752 | 1639 | - 6 | 2642 | 2412 | 2256 |
| - 7 | 1940 | 1771 | 1657 | - 7 | 2666 | 2434 | 2277 |
| 23 - 0 | 1961 | 1790 | 1675 | 27 - 0 | 2691 | 2456 | 2298 |
| - 1 | 1982 | 1810 | 1693 | - 1 | 2715 | 2479 | 2319 |
| - 2 | 2003 | 1829 | 1711 | - 2 | 2740 | 2502 | 2340 |
| - 3 | 2024 | 1848 | 1729 | - 3 | 2765 | 2524 | 2361 |
| - 4 | 2046 | 1868 | 1747 | - 4 | 2790 | 2547 | 2382 |
| - 5 | 2067 | 1888 | 1766 | - 5 | 2815 | 2570 | 2404 |
| - 6 | 2089 | 1907 | 1784 | - 6 | 2840 | 2593 | 2425 |
| - 7 | 2111 | 1927 | 1803 | - 7 | 2865 | 2616 | 2447 |
| 24 - 0 | 2133 | 1947 | 1821 | 28 - 0 | 2891 | 2639 | 2469 |
| - 1 | 2155 | 1967 | 1840 | - 1 | 2916 | 2663 | 2490 |
| - 2 | 2177 | 1987 | 1859 | - 2 | 2942 | 2686 | 2512 |
| - 3 | 2199 | 2008 | 1878 | - 3 | 2968 | 2709 | 2534 |
| - 4 | 2221 | 2028 | 1897 | - 4 | 2993 | 2733 | 2556 |
| - 5 | 2244 | 2048 | 1916 | - 5 | 3020 | 2757 | 2579 |
| - 6 | 2266 | 2069 | 1935 | - 6 | 3046 | 2781 | 2601 |
| - 7 | 2289 | 2090 | 1955 | - 7 | 3070 | 2803 | 2622 |

Table XVIII.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|--|--|---------|---------|--|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 29 - 0 | 3098 | 2829 | 2646 | 33 - 0 | 3997 | 3650 | 3414 |
| - 1 | 3124 | 2852 | 2668 | - 1 | 4028 | 3677 | 3440 |
| - 2 | 3151 | 2877 | 2691 | - 2 | 4057 | 3704 | 3465 |
| - 3 | 3178 | 2901 | 2714 | - 3 | 4088 | 3732 | 3491 |
| - 4 | 3204 | 2925 | 2736 | - 4 | 4118 | 3760 | 3517 |
| - 5 | 3231 | 2950 | 2759 | - 5 | 4148 | 3787 | 3543 |
| - 6 | 3258 | 2975 | 2782 | - 6 | 4179 | 3815 | 3569 |
| - 7 | 3285 | 2999 | 2806 | - 7 | 4209 | 3843 | 3595 |
| 30 - 0 | 3312 | 3024 | 2829 | 34 - 0 | 4240 | 3871 | 3621 |
| - 1 | 3340 | 3049 | 2852 | - 1 | 4271 | 3899 | 3647 |
| - 2 | 3367 | 3074 | 2875 | - 2 | 4302 | 3928 | 3674 |
| - 3 | 3395 | 3099 | 2899 | - 3 | 4333 | 3956 | 3700 |
| - 4 | 3422 | 3124 | 2922 | - 4 | 4364 | 3984 | 3727 |
| - 5 | 3450 | 3150 | 2946 | - 5 | 4395 | 4013 | 3754 |
| - 6 | 3478 | 3175 | 2970 | - 6 | 4426 | 4041 | 3780 |
| - 7 | 3506 | 3201 | 2994 | - 7 | 4458 | 4070 | 3807 |
| 31 - 0 | 3534 | 3226 | 3018 | 35 - 0 | 4490 | 4099 | 3834 |
| - 1 | 3562 | 3252 | 3042 | - 1 | 4521 | 4128 | 3861 |
| - 2 | 3590 | 3278 | 3066 | - 2 | 4553 | 4157 | 3888 |
| - 3 | 3618 | 3304 | 3090 | - 3 | 4585 | 4186 | 3916 |
| - 4 | 3647 | 3330 | 3115 | - 4 | 4617 | 4215 | 3943 |
| - 5 | 3676 | 3356 | 3139 | - 5 | 4649 | 4245 | 3970 |
| - 6 | 3704 | 3382 | 3163 | - 6 | 4681 | 4274 | 3998 |
| - 7 | 3733 | 3408 | 3188 | - 7 | 4714 | 4304 | 4026 |
| 32 - 0 | 3762 | 3435 | 3213 | 36 - 0 | 4746 | 4333 | 4053 |
| - 1 | 3791 | 3462 | 3238 | - 1 | 4779 | 4363 | 4081 |
| - 2 | 3820 | 3488 | 3263 | - 2 | 4812 | 4393 | 4109 |
| - 3 | 3850 | 3515 | 3288 | - 3 | 4844 | 4423 | 4137 |
| - 4 | 3879 | 3541 | 3313 | - 4 | 4877 | 4453 | 4165 |
| - 5 | 3908 | 3568 | 3338 | - 5 | 4910 | 4483 | 4193 |
| - 6 | 3938 | 3595 | 3363 | - 6 | 4943 | 4513 | 4222 |
| - 7 | 3968 | 3623 | 3388 | - 7 | 4977 | 4544 | 4250 |

Table XVIII.—MALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|--|--|---------|---------|--|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 37 - 0 | 5010 | 4574 | 4278 | 41 - 0 | 6134 | 5601 | 5239 |
| - 1 | 5043 | 4605 | 4307 | - 1 | 6172 | 5635 | 5271 |
| - 2 | 5077 | 4635 | 4336 | - 2 | 6208 | 5668 | 5302 |
| - 3 | 5111 | 4666 | 4364 | - 3 | 6246 | 5702 | 5334 |
| - 4 | 5144 | 4697 | 4393 | - 4 | 6283 | 5736 | 5366 |
| - 5 | 5178 | 4728 | 4422 | - 5 | 6320 | 5770 | 5398 |
| - 6 | 5212 | 4759 | 4451 | - 6 | 6358 | 5805 | 5430 |
| - 7 | 5246 | 4790 | 4480 | - 7 | 6395 | 5839 | 5462 |
| 38 - 0 | 5280 | 4821 | 4510 | 42 - 0 | 6433 | 5874 | 5494 |
| - 1 | 5315 | 4852 | 4539 | - 1 | 6471 | 5908 | 5526 |
| - 2 | 5349 | 4884 | 4568 | - 2 | 6509 | 5943 | 5559 |
| - 3 | 5384 | 4915 | 4598 | - 3 | 6547 | 5978 | 5591 |
| - 4 | 5418 | 4947 | 4627 | - 4 | 6585 | 6012 | 5624 |
| - 5 | 5453 | 4979 | 4657 | - 5 | 6623 | 6047 | 5656 |
| - 6 | 5488 | 5011 | 4687 | - 6 | 6662 | 6083 | 5689 |
| - 7 | 5523 | 5043 | 4717 | - 7 | 6700 | 6117 | 5722 |
| 39 - 0 | 5558 | 5075 | 4747 | 43 - 0 | 6739 | 6153 | 5755 |
| - 1 | 5593 | 5107 | 4777 | - 1 | 6778 | 6188 | 5788 |
| - 2 | 5629 | 5139 | 4807 | - 2 | 6817 | 6224 | 5821 |
| - 3 | 5664 | 5171 | 4837 | - 3 | 6855 | 6259 | 5855 |
| - 4 | 5700 | 5204 | 4868 | - 4 | 6895 | 6295 | 5888 |
| - 5 | 5735 | 5236 | 4898 | - 5 | 6934 | 6331 | 5922 |
| - 6 | 5771 | 5269 | 4929 | - 6 | 6973 | 6366 | 5955 |
| - 7 | 5807 | 5302 | 4959 | - 7 | 7012 | 6402 | 5989 |
| 40 - 0 | 5843 | 5335 | 4990 | 44 - 0 | 7052 | 6438 | 6022 |
| - 1 | 5879 | 5368 | 5021 | - 1 | 7091 | 6474 | 6056 |
| - 2 | 5915 | 5401 | 5052 | - 2 | 7131 | 6510 | 6090 |
| - 3 | 5951 | 5434 | 5083 | - 3 | 7171 | 6547 | 6124 |
| - 4 | 5988 | 5467 | 5114 | - 4 | 7211 | 6583 | 6158 |
| - 5 | 6024 | 5500 | 5145 | - 5 | 7251 | 6620 | 6192 |
| - 6 | 6061 | 5534 | 5176 | - 6 | 7291 | 6656 | 6226 |
| - 7 | 6098 | 5567 | 5208 | - 7 | 7331 | 6693 | 6261 |

Table XIX.—FEMALES

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds, and Ounces | | | Weight in Pounds and Ounces |
|--|---|---|----|----|-----------------------------------|
| 20 - 0 | 23.96 | 1 | 9 | 15 | 23 15 |
| - 1 | 24.44 | 1 | 10 | 7 | 24 7 |
| - 2 | 24.93 | 1 | 10 | 15 | 24 15 |
| - 3 | 25.42 | 1 | 11 | 7 | 25 7 |
| - 4 | 25.92 | 1 | 11 | 15 | 25 15 |
| - 5 | 26.43 | 1 | 12 | 7 | 26 7 |
| - 6 | 26.95 | 1 | 12 | 15 | 26 15 |
| - 7 | 27.47 | 1 | 13 | 8 | 27 8 |
| 21 - 0 | 28.00 | 2 | 0 | 0 | 28 0 |
| - 1 | 28.53 | 2 | 0 | 9 | 28 9 |
| - 2 | 29.08 | 2 | 1 | 1 | 29 11 |
| - 3 | 29.63 | 2 | 1 | 10 | 29 10 |
| - 4 | 30.18 | 2 | 2 | 3 | 30 3 |
| - 5 | 30.75 | 2 | 2 | 12 | 30 12 |
| - 6 | 31.32 | 2 | 3 | 5 | 31 5 |
| - 7 | 31.88 | 2 | 3 | 14 | 31 14 |
| 22 - 0 | 32.48 | 2 | 4 | 8 | 32 8 |
| - 1 | 33.08 | 2 | 5 | 1 | 33 1 |
| - 2 | 33.68 | 2 | 5 | 11 | 33 11 |
| - 3 | 34.28 | 2 | 6 | 4 | 34 4 |
| - 4 | 34.89 | 2 | 6 | 14 | 34 14 |
| - 5 | 35.52 | 2 | 7 | 8 | 35 8 |
| - 6 | 36.15 | 2 | 8 | 2 | 36 2 |
| - 7 | 36.79 | 2 | 8 | 13 | 36 13 |
| 23 - 0 | 37.44 | 2 | 9 | 7 | 37 7 |
| - 1 | 38.09 | 2 | 10 | 1 | 38 1 |
| - 2 | 38.75 | 2 | 10 | 12 | 38 12 |
| - 3 | 39.42 | 2 | 11 | 7 | 39 7 |
| - 4 | 40.10 | 2 | 12 | 2 | 40 2 |
| - 5 | 40.79 | 2 | 12 | 13 | 40 13 |
| - 6 | 41.48 | 2 | 13 | 8 | 41 8 |
| - 7 | 42.18 | 3 | 0 | 3 | 42 3 |

Table XIX.—FEMALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | Weight in Pounds and Ounces |
|--|---|--|-----------------------------------|
| 24 - 0 | 42.89 | 3 0 14 | 42 14 |
| - 1 | 43.61 | 3 1 10 | 43 10 |
| - 2 | 44.34 | 3 2 5 | 44 5 |
| - 3 | 45.07 | 3 3 1 | 45 1 |
| - 4 | 45.81 | 3 3 13 | 45 13 |
| - 5 | 46.56 | 3 4 9 | 46 9 |
| - 6 | 47.32 | 3 5 5 | 47 5 |
| - 7 | 48.09 | 3 6 1 | 48 1 |
| 25 - 0 | 48.87 | 3 6 14 | 48 14 |
| - 1 | 49.65 | 3 7 10 | 49 10 |
| - 2 | 50.45 | 3 8 7 | 50 7 |
| - 3 | 51.25 | 3 9 4 | 51 4 |
| - 4 | 52.06 | 3 10 1 | 52 1 |
| - 5 | 52.88 | 3 10 14 | 52 14 |
| - 6 | 53.71 | 3 11 11 | 53 11 |
| - 7 | 54.54 | 3 12 9 | 54 9 |
| 26 - 0 | 55.39 | 3 13 6 | 55 6 |
| - 1 | 56.25 | 4 0 4 | 56 4 |
| - 2 | 57.11 | 4 1 2 | 57 2 |
| - 3 | 57.98 | 4 2 0 | 58 0 |
| - 4 | 58.87 | 4 2 14 | 58 14 |
| - 5 | 59.76 | 4 3 12 | 59 12 |
| - 6 | 60.66 | 4 4 11 | 60 11 |
| - 7 | 61.57 | 4 5 9 | 61 9 |
| 27 - 0 | 62.49 | 4 6 8 | 62 8 |
| - 1 | 63.42 | 4 7 7 | 63 7 |
| - 2 | 64.36 | 4 8 6 | 64 6 |
| - 3 | 65.30 | 4 9 5 | 65 5 |
| - 4 | 66.26 | 4 10 4 | 66 4 |
| - 5 | 67.23 | 4 11 4 | 67 4 |
| - 6 | 68.20 | 4 12 3 | 68 3 |
| - 7 | 69.19 | 4 13 3 | 69 3 |

Table XIX.—FEMALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | | | Weight in Pounds and Ounces | |
|--|---|--|----|----|-----------------------------------|----|
| 28-0 | 70.19 | 5 | 0 | 3 | 70 | 3 |
| -1 | 71.19 | 5 | 1 | 3 | 71 | 3 |
| -2 | 72.21 | 5 | 2 | 3 | 72 | 3 |
| -3 | 73.24 | 5 | 3 | 4 | 73 | 4 |
| -4 | 74.27 | 5 | 4 | 4 | 74 | 4 |
| -5 | 75.32 | 5 | 5 | 5 | 75 | 5 |
| -6 | 76.38 | 5 | 6 | 6 | 76 | 6 |
| -7 | 77.44 | 5 | 7 | 7 | 77 | 7 |
| 29-0 | 78.52 | 5 | 8 | 8 | 78 | 8 |
| -1 | 79.60 | 5 | 9 | 10 | 79 | 10 |
| -2 | 80.70 | 5 | 10 | 11 | 80 | 11 |
| -3 | 81.81 | 5 | 11 | 13 | 81 | 13 |
| -4 | 82.92 | 5 | 12 | 15 | 82 | 15 |
| -5 | 84.05 | 6 | 0 | 1 | 84 | 1 |
| -6 | 85.19 | 6 | 1 | 3 | 85 | 3 |
| -7 | 86.34 | 6 | 2 | 5 | 86 | 5 |
| 30-0 | 87.50 | 6 | 3 | 8 | 87 | 8 |
| -1 | 88.67 | 6 | 4 | 11 | 88 | 11 |
| -2 | 89.84 | 6 | 5 | 13 | 89 | 13 |
| -3 | 91.04 | 6 | 7 | 1 | 91 | 1 |
| -4 | 92.24 | 6 | 8 | 4 | 92 | 4 |
| -5 | 93.46 | 6 | 9 | 7 | 93 | 7 |
| -6 | 94.68 | 6 | 10 | 11 | 94 | 11 |
| -7 | 95.90 | 6 | 11 | 14 | 95 | 14 |
| 31-0 | 97.16 | 6 | 13 | 3 | 97 | 3 |
| -1 | 98.42 | 7 | 0 | 7 | 98 | 7 |
| -2 | 99.68 | 7 | 1 | 11 | 99 | 11 |
| -3 | 100.96 | 7 | 2 | 15 | 100 | 15 |
| -4 | 102.25 | 7 | 4 | 4 | 102 | 4 |
| -5 | 103.56 | 7 | 5 | 9 | 103 | 9 |
| -6 | 104.87 | 7 | 6 | 14 | 104 | 14 |
| -7 | 106.20 | 7 | 8 | 3 | 106 | 3 |

Table XIX.—FEMALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | Weight in Pounds and Ounces |
|--|---|--|-----------------------------------|
| 32-0 | 107.53 | 7 9 8 | 107 8 |
| -1 | 108.88 | 7 10 14 | 108 14 |
| -2 | 110.24 | 7 12 4 | 110 4 |
| -3 | 111.61 | 7 13 10 | 111 10 |
| -4 | 112.99 | 8 1 0 | 113 0 |
| -5 | 114.39 | 8 2 6 | 114 6 |
| -6 | 115.79 | 8 3 13 | 115 13 |
| -7 | 117.21 | 8 5 3 | 117 3 |
| 33-0 | 118.64 | 8 6 10 | 118 10 |
| -1 | 120.09 | 8 8 1 | 120 1 |
| -2 | 121.54 | 8 9 9 | 121 9 |
| -3 | 123.00 | 8 11 0 | 123 0 |
| -4 | 124.48 | 8 12 8 | 124 8 |
| -5 | 125.97 | 8 13 4 | 125 4 |
| -6 | 127.47 | 9 1 8 | 127 8 |
| -7 | 128.99 | 9 3 0 | 129 0 |
| 34-0 | 130.51 | 9 4 8 | 130 8 |
| -1 | 132.05 | 9 6 1 | 132 1 |
| -2 | 133.60 | 9 7 10 | 133 10 |
| -3 | 135.16 | 9 9 3 | 135 3 |
| -4 | 136.75 | 9 10 12 | 136 12 |
| -5 | 138.34 | 9 12 5 | 138 5 |
| -6 | 139.93 | 9 13 15 | 139 15 |
| -7 | 141.55 | 10 1 9 | 141 9 |
| 35-0 | 143.18 | 10 3 3 | 143 3 |
| -1 | 144.82 | 10 4 13 | 144 13 |
| -2 | 146.47 | 10 6 8 | 146 8 |
| -3 | 148.14 | 10 8 2 | 148 2 |
| -4 | 149.82 | 10 9 13 | 149 13 |
| -5 | 151.50 | 10 11 8 | 151 8 |
| -6 | 153.22 | 10 13 4 | 153 4 |
| -7 | 154.93 | 11 0 15 | 154 15 |

Table XX.—FEMALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones. Pounds and Ounces | Weight in Pounds and Ounces |
|---|---|--|-----------------------------------|
| 23-0 | 54.11 | 3 12 2 | 54 2 |
| -1 | 55.15 | 3 13 2 | 55 2 |
| -2 | 56.21 | 4 0 3 | 56 3 |
| -3 | 57.28 | 4 1 4 | 57 4 |
| -4 | 58.37 | 4 2 6 | 58 6 |
| -5 | 59.47 | 4 3 8 | 59 8 |
| -6 | 60.58 | 4 4 9 | 60 9 |
| -7 | 61.72 | 4 5 12 | 61 12 |
| 24-0 | 62.86 | 4 6 14 | 62 14 |
| -1 | 64.02 | 4 8 0 | 64 0 |
| -2 | 65.20 | 4 9 3 | 65 3 |
| -3 | 66.39 | 4 10 6 | 66 6 |
| -4 | 67.60 | 4 11 10 | 67 10 |
| -5 | 68.82 | 4 12 13 | 68 13 |
| -6 | 70.05 | 5 0 1 | 70 1 |
| -7 | 71.30 | 5 1 5 | 71 5 |
| 25-0 | 72.58 | 5 2 9 | 72 9 |
| -1 | 73.87 | 5 3 14 | 73 14 |
| -2 | 75.17 | 5 5 3 | 75 3 |
| -3 | 76.49 | 5 6 8 | 76 8 |
| -4 | 77.82 | 5 7 13 | 77 13 |
| -5 | 79.17 | 5 9 3 | 79 3 |
| -6 | 80.54 | 5 10 9 | 80 9 |
| -7 | 81.93 | 5 11 15 | 81 15 |
| 26-0 | 83.32 | 5 13 5 | 83 5 |
| -1 | 84.75 | 6 0 12 | 84 12 |
| -2 | 86.18 | 6 2 3 | 86 3 |
| -3 | 87.64 | 6 3 10 | 87 10 |
| -4 | 89.11 | 6 5 2 | 89 2 |
| -5 | 90.60 | 6 6 10 | 90 10 |
| -6 | 92.10 | 6 8 2 | 92 2 |
| -7 | 93.63 | 6 9 10 | 93 10 |

Table XX.—FEMALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | Weight in Pounds and Ounces |
|---|---|--|-----------------------------------|
| 27-0 | 95.17 | 6 11 3 | 95 3 |
| -1 | 96.73 | 6 12 12 | 96 12 |
| -2 | 98.31 | 7 0 5 | 98 5 |
| -3 | 99.90 | 7 1 14 | 99 14 |
| -4 | 101.52 | 7 3 8 | 101 8 |
| -5 | 103.16 | 7 5 3 | 103 3 |
| -6 | 104.81 | 7 6 13 | 104 13 |
| -7 | 106.48 | 7 8 8 | 106 8 |
| 28-0 | 108.17 | 7 10 3 | 108 3 |
| -1 | 109.88 | 7 11 14 | 109 14 |
| -2 | 111.61 | 7 13 10 | 111 10 |
| -3 | 113.36 | 8 1 6 | 113 6 |
| -4 | 115.12 | 8 3 2 | 115 2 |
| -5 | 116.92 | 8 4 15 | 116 15 |
| -6 | 118.72 | 8 6 12 | 118 12 |
| -7 | 120.55 | 8 8 9 | 120 9 |
| 29-0 | 122.40 | 8 10 6 | 122 6 |
| -1 | 124.26 | 8 12 4 | 124 4 |
| -2 | 126.16 | 9 0 3 | 126 3 |
| -3 | 128.06 | 9 2 1 | 128 1 |
| -4 | 129.99 | 9 4 0 | 130 0 |
| -5 | 131.94 | 9 5 15 | 131 15 |
| -6 | 133.92 | 9 7 15 | 133 15 |
| -7 | 135.91 | 9 9 15 | 135 15 |
| 30-0 | 137.91 | 9 11 15 | 137 15 |
| -1 | 139.96 | 9 13 15 | 139 15 |
| -2 | 142.00 | 10 2 0 | 142 0 |
| -3 | 144.09 | 10 4 1 | 144 1 |
| -4 | 146.18 | 10 6 3 | 146 3 |
| -5 | 148.31 | 10 8 5 | 148 5 |
| -6 | 150.45 | 10 10 7 | 150 7 |
| -7 | 152.61 | 10 12 10 | 152 10 |

Table XX.—FEMALES (*Continued*)

Showing the normal *weight* of the body in pounds and decimals of pounds, in stones, pounds and ounces, and in pounds and ounces, calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Weight in Pounds and Decimals of Pounds | Weight in Stones, Pounds and Ounces | Weight in Pounds and Ounces |
|---|---|--|-----------------------------------|
| 31 - 0 | 154.79 | 11 0 13 | 154 13 |
| - 1 | 157.01 | 11 3 0 | 157 0 |
| - 2 | 159.24 | 11 5 4 | 159 4 |
| - 3 | 161.48 | 11 7 8 | 161 8 |
| - 4 | 163.77 | 11 9 12 | 163 12 |
| - 5 | 166.07 | 11 12 1 | 166 1 |
| - 6 | 168.38 | 12 0 6 | 168 6 |
| - 7 | 170.73 | 12 2 12 | 170 12 |
| 32 - 0 | 173.11 | 12 5 2 | 173 2 |
| - 1 | 175.49 | 12 7 8 | 175 8 |
| - 2 | 177.91 | 12 9 15 | 177 15 |
| - 3 | 180.36 | 12 12 6 | 180 6 |
| - 4 | 182.81 | 13 0 13 | 182 13 |
| - 5 | 185.31 | 13 3 5 | 185 5 |
| - 6 | 187.82 | 13 5 13 | 187 13 |
| - 7 | 190.36 | 13 8 6 | 190 6 |
| 33 - 0 | 192.91 | 13 10 15 | 192 15 |
| - 1 | 195.51 | 13 13 8 | 195 8 |
| - 2 | 198.11 | 14 2 2 | 198 2 |
| - 3 | 200.74 | 14 4 12 | 200 12 |
| - 4 | 203.40 | 14 7 6 | 203 6 |
| - 5 | 206.09 | 14 10 1 | 206 1 |
| - 6 | 208.80 | 14 12 13 | 208 13 |
| - 7 | 211.54 | 15 1 9 | 211 9 |
| 34 - 0 | 214.30 | 15 4 5 | 214 5 |
| - 1 | 217.08 | 15 7 1 | 217 1 |
| - 2 | 219.90 | 15 9 14 | 219 14 |
| - 3 | 222.73 | 15 12 12 | 222 12 |
| - 4 | 225.61 | 16 1 10 | 225 10 |
| - 5 | 228.49 | 16 4 8 | 228 8 |
| - 6 | 231.41 | 16 7 7 | 231 7 |
| - 7 | 234.35 | 16 10 6 | 234 6 |

Table XXI.—FEMALES

Showing the normal circumference of the *chest* in inches and decimals of inches, and in inches and eighths of inches, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches | Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches |
|---|---|--|---|---|--|
| 20 - 0 | 18.25 | 18 - 2 | 24 - 0 | 21.53 | 21 - 4 |
| - 1 | .35 | - 3 | - 1 | .63 | - 5 |
| - 2 | .45 | - 4 | - 2 | .73 | - 6 |
| - 3 | .56 | - 4 | - 3 | .83 | - 7 |
| - 4 | .66 | - 5 | - 4 | .93 | - 7 |
| - 5 | .76 | - 6 | - 5 | 22.04 | 22 - 0 |
| - 6 | .87 | - 7 | - 6 | .14 | - 1 |
| - 7 | .97 | 19 - 0 | - 7 | .24 | - 2 |
| 21 - 0 | 19.07 | - 1 | 25 - 0 | .34 | - 3 |
| - 1 | .18 | - 1 | - 1 | .44 | - 4 |
| - 2 | .28 | - 2 | - 2 | .55 | - 4 |
| - 3 | .38 | - 3 | - 3 | .65 | - 5 |
| - 4 | .49 | - 4 | - 4 | .75 | - 6 |
| - 5 | .59 | - 5 | - 5 | .85 | - 7 |
| - 6 | .69 | - 6 | - 6 | .95 | 23 - 0 |
| - 7 | .79 | - 6 | - 7 | 23.05 | - 0 |
| 22 - 0 | .90 | - 7 | 26 - 0 | .15 | - 1 |
| - 1 | 20.00 | 20 - 0 | - 1 | .25 | - 2 |
| - 2 | .10 | - 1 | - 2 | .35 | - 3 |
| - 3 | .20 | - 2 | - 3 | .46 | - 4 |
| - 4 | .30 | - 2 | - 4 | .56 | - 4 |
| - 5 | .41 | - 3 | - 5 | .66 | - 5 |
| - 6 | .51 | - 4 | - 6 | .76 | - 6 |
| - 7 | .61 | - 5 | - 7 | .86 | - 7 |
| 23 - 0 | .72 | - 6 | 27 - 0 | .96 | 24 - 0 |
| - 1 | .82 | - 7 | - 1 | 24.06 | - 0 |
| - 2 | .92 | - 7 | - 2 | .16 | - 1 |
| - 3 | 21.02 | 21 - 0 | - 3 | .26 | - 2 |
| - 4 | .12 | - 1 | - 4 | .36 | - 3 |
| - 5 | .23 | - 2 | - 5 | .46 | - 4 |
| - 6 | .33 | - 3 | - 6 | .56 | - 4 |
| - 7 | .43 | - 3 | - 7 | .66 | - 5 |

Table XXI.—FEMALES (*Continued*)

Showing the normal circumference of the *chest* in inches and decimals of inches, and in inches and eighths of inches, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches | Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches |
|---|---|--|---|---|--|
| 28 - 0 | 24.76 | 24 - 6 | 32 - 0 | 27.95 | 28 - 0 |
| - 1 | .86 | - 7 | - 1 | 28.05 | - 0 |
| - 2 | .96 | 25 - 0 | - 2 | .15 | - 1 |
| - 3 | 25.06 | - 0 | - 3 | .25 | - 2 |
| - 4 | .16 | - 1 | - 4 | .35 | - 3 |
| - 5 | .26 | - 2 | - 5 | .45 | - 4 |
| - 6 | .36 | - 3 | - 6 | .55 | - 4 |
| - 7 | .46 | - 4 | - 7 | .65 | - 5 |
| 29 - 0 | .56 | - 4 | 33 - 0 | .74 | - 6 |
| - 1 | .66 | - 5 | - 1 | .84 | - 7 |
| - 2 | .76 | - 6 | - 2 | .94 | 29 - 0 |
| - 3 | .86 | - 7 | - 3 | 29.04 | - 0 |
| - 4 | .96 | 26 - 0 | - 4 | .14 | - 1 |
| - 5 | 26.06 | - 0 | - 5 | .24 | - 2 |
| - 6 | .16 | - 1 | - 6 | .34 | - 3 |
| - 7 | .26 | - 2 | - 7 | .43 | - 3 |
| 30 - 0 | .36 | - 3 | 34 - 0 | .53 | - 4 |
| - 1 | .46 | - 4 | - 1 | .63 | - 5 |
| - 2 | .56 | - 4 | - 2 | .73 | - 6 |
| - 3 | .66 | - 5 | - 3 | .83 | - 7 |
| - 4 | .76 | - 6 | - 4 | .93 | - 7 |
| - 5 | .86 | - 7 | - 5 | 30.03 | 30 - 0 |
| - 6 | .96 | 27 - 0 | - 6 | .12 | - 1 |
| - 7 | 27.06 | - 0 | - 7 | .22 | - 2 |
| 31 - 0 | .16 | - 1 | 35 - 0 | .32 | - 3 |
| - 1 | .26 | - 2 | - 1 | .42 | - 3 |
| - 2 | .36 | - 3 | - 2 | .52 | - 4 |
| - 3 | .46 | - 4 | - 3 | .62 | - 5 |
| - 4 | .56 | - 4 | - 4 | .71 | - 6 |
| - 5 | .66 | - 5 | - 5 | .81 | - 6 |
| - 6 | .75 | - 6 | - 6 | .91 | - 7 |
| - 7 | .85 | - 7 | - 7 | 31.01 | 31 - 0 |

Table XXI.—FEMALES (*Continued*)

Showing the normal circumference of the *chest* in inches and decimals of inches, and in inches and eighths of inches, calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches | Length in Inches and Eighths of Inches | Chest in Inches and Decimals of Inches | Chest in Inches and Eighths of Inches |
|---|---|--|---|---|--|
| 36 - 0 | 31.11 | 31 - 1 | 38 - 0 | 32.67 | 32 - 5 |
| - 1 | .20 | - 2 | - 1 | .77 | - 6 |
| - 2 | .30 | - 2 | - 2 | .86 | - 7 |
| - 3 | .40 | - 3 | - 3 | .96 | 33 - 0 |
| - 4 | .50 | - 4 | - 4 | 33.06 | - 0 |
| - 5 | .60 | - 5 | - 5 | .16 | - 1 |
| - 6 | .69 | - 6 | - 6 | .25 | - 2 |
| - 7 | .79 | - 6 | - 7 | .35 | - 3 |
| 37 - 0 | .89 | - 7 | 39 - 0 | .45 | - 4 |
| - 1 | .99 | 32 - 0 | - 1 | .55 | - 4 |
| - 2 | 32.08 | - 1 | - 2 | .64 | - 5 |
| - 3 | .18 | - 1 | - 3 | .74 | - 6 |
| - 4 | .28 | - 2 | - 4 | .84 | - 7 |
| - 5 | .38 | - 3 | - 5 | .94 | 34 - 0 |
| - 6 | .48 | - 4 | - 6 | 34.03 | - 0 |
| - 7 | .57 | - 5 | - 7 | .13 | - 1 |

Table XXII.—FEMALES

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | |
|--------------------------------------|------------------------|--|---------|---------|--------------------------------------|------------------------|--|---------|---------|
| | | CLASS A | CLASS B | CLASS C | | | CLASS A | CLASS B | CLASS C |
| 2 2 | 30 | 1193 | 1090 | 1019 | 4 4 | 60 | 1966 | 1795 | 1679 |
| 2 3 | 31 | 1222 | 1116 | 1044 | 4 5 | 61 | 1989 | 1816 | 1699 |
| 2 4 | 32 | 1250 | 1141 | 1068 | 4 6 | 62 | 2013 | 1838 | 1719 |
| 2 5 | 33 | 1278 | 1167 | 1092 | 4 7 | 63 | 2036 | 1859 | 1739 |
| 2 6 | 34 | 1306 | 1192 | 1115 | 4 8 | 64 | 2059 | 1880 | 1759 |
| 2 7 | 35 | 1334 | 1218 | 1139 | 4 9 | 65 | 2082 | 1901 | 1778 |
| 2 8 | 36 | 1361 | 1242 | 1162 | 4 10 | 66 | 2105 | 1922 | 1798 |
| 2 9 | 37 | 1388 | 1267 | 1185 | 4 11 | 67 | 2128 | 1943 | 1818 |
| 2 10 | 38 | 1415 | 1292 | 1208 | 4 12 | 68 | 2151 | 1964 | 1837 |
| 2 11 | 39 | 1442 | 1316 | 1231 | 4 13 | 69 | 2174 | 1985 | 1857 |
| 2 12 | 40 | 1468 | 1340 | 1254 | 5 0 | 70 | 2197 | 2005 | 1876 |
| 2 13 | 41 | 1494 | 1364 | 1276 | 5 1 | 71 | 2219 | 2026 | 1895 |
| 3 0 | 42 | 1521 | 1388 | 1299 | 5 2 | 72 | 2242 | 2047 | 1914 |
| 3 1 | 43 | 1547 | 1412 | 1321 | 5 3 | 73 | 2264 | 2067 | 1933 |
| 3 2 | 44 | 1572 | 1436 | 1343 | 5 4 | 74 | 2286 | 2087 | 1952 |
| 3 3 | 45 | 1598 | 1459 | 1365 | 5 5 | 75 | 2308 | 2108 | 1971 |
| 3 4 | 46 | 1624 | 1482 | 1387 | 5 6 | 76 | 2331 | 2128 | 1990 |
| 3 5 | 47 | 1649 | 1505 | 1408 | 5 7 | 77 | 2353 | 2148 | 2009 |
| 3 6 | 48 | 1674 | 1528 | 1430 | 5 8 | 78 | 2374 | 2168 | 2028 |
| 3 7 | 49 | 1699 | 1551 | 1451 | 5 9 | 79 | 2396 | 2188 | 2046 |
| 3 8 | 50 | 1724 | 1574 | 1472 | 5 10 | 80 | 2418 | 2208 | 2065 |
| 3 9 | 51 | 1749 | 1597 | 1493 | 5 11 | 81 | 2440 | 2228 | 2084 |
| 3 10 | 52 | 1773 | 1619 | 1514 | 5 12 | 82 | 2462 | 2247 | 2102 |
| 3 11 | 53 | 1798 | 1641 | 1535 | 5 13 | 83 | 2483 | 2267 | 2121 |
| 3 12 | 54 | 1822 | 1664 | 1556 | 6 0 | 84 | 2505 | 2287 | 2139 |
| 3 13 | 55 | 1846 | 1686 | 1577 | 6 1 | 85 | 2526 | 2306 | 2157 |
| 4 0 | 56 | 1871 | 1708 | 1597 | 6 2 | 86 | 2547 | 2326 | 2176 |
| 4 1 | 57 | 1895 | 1730 | 1618 | 6 3 | 87 | 2569 | 2345 | 2194 |
| 4 2 | 58 | 1918 | 1752 | 1638 | 6 4 | 88 | 2590 | 2365 | 2212 |
| 4 3 | 59 | 1942 | 1773 | 1659 | 6 5 | 89 | 2611 | 2384 | 2230 |

Table XXII.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | |
|--------------------------------------|------------------------|--|---------|---------|--------------------------------------|------------------------|--|---------|---------|
| | | CLASS A | CLASS B | CLASS C | | | CLASS A | CLASS B | CLASS C |
| 6 6 | 90 | 2632 | 2403 | 2248 | 8 8 | 120 | 3238 | 2956 | 2765 |
| 6 7 | 91 | 2653 | 2422 | 2266 | 8 9 | 121 | 3257 | 2974 | 2782 |
| 6 8 | 92 | 2674 | 2442 | 2284 | 8 10 | 122 | 3277 | 2992 | 2798 |
| 6 9 | 93 | 2695 | 2461 | 2302 | 8 11 | 123 | 3296 | 3009 | 2815 |
| 6 10 | 94 | 2716 | 2480 | 2319 | 8 12 | 124 | 3315 | 3027 | 2831 |
| 6 11 | 95 | 2737 | 2499 | 2337 | 8 13 | 125 | 3335 | 3045 | 2848 |
| 6 12 | 96 | 2757 | 2517 | 2355 | 9 0 | 126 | 3354 | 3062 | 2864 |
| 6 13 | 97 | 2778 | 2536 | 2372 | 9 1 | 127 | 3373 | 3080 | 2881 |
| 7 0 | 98 | 2799 | 2555 | 2390 | 9 2 | 128 | 3392 | 3097 | 2897 |
| 7 1 | 99 | 2819 | 2574 | 2408 | 9 3 | 129 | 3411 | 3114 | 2913 |
| 7 2 | 100 | 2840 | 2593 | 2425 | 9 4 | 130 | 3430 | 3132 | 2929 |
| 7 3 | 101 | 2860 | 2611 | 2442 | 9 5 | 131 | 3449 | 3149 | 2945 |
| 7 4 | 102 | 2880 | 2630 | 2460 | 9 6 | 132 | 3468 | 3166 | 2962 |
| 7 5 | 103 | 2901 | 2648 | 2477 | 9 7 | 133 | 3487 | 3183 | 2978 |
| 7 6 | 104 | 2921 | 2667 | 2494 | 9 8 | 134 | 3506 | 3201 | 2994 |
| 7 7 | 105 | 2941 | 2685 | 2512 | 9 9 | 135 | 3525 | 3218 | 3010 |
| 7 8 | 106 | 2961 | 2704 | 2529 | 9 10 | 136 | 3543 | 3235 | 3026 |
| 7 9 | 107 | 2981 | 2722 | 2546 | 9 11 | 137 | 3562 | 3252 | 3042 |
| 7 10 | 108 | 3001 | 2740 | 2563 | 9 12 | 138 | 3581 | 3269 | 3058 |
| 7 11 | 109 | 3021 | 2759 | 2580 | 9 13 | 139 | 3599 | 3286 | 3074 |
| 7 12 | 110 | 3041 | 2777 | 2597 | 10 0 | 140 | 3618 | 3303 | 3090 |
| 7 13 | 111 | 3061 | 2795 | 2614 | 10 1 | 141 | 3637 | 3320 | 3106 |
| 8 0 | 112 | 3081 | 2813 | 2631 | 10 2 | 142 | 3655 | 3337 | 3122 |
| 8 1 | 113 | 3101 | 2831 | 2648 | 10 3 | 143 | 3674 | 3354 | 3137 |
| 8 2 | 114 | 3121 | 2849 | 2665 | 10 4 | 144 | 3692 | 3371 | 3153 |
| 8 3 | 115 | 3140 | 2867 | 2682 | 10 5 | 145 | 3711 | 3388 | 3169 |
| 8 4 | 116 | 3160 | 2885 | 2699 | 10 6 | 146 | 3729 | 3405 | 3185 |
| 8 5 | 117 | 3179 | 2903 | 2715 | 10 7 | 147 | 3747 | 3421 | 3200 |
| 8 6 | 118 | 3199 | 2921 | 2732 | 10 8 | 148 | 3766 | 3438 | 3216 |
| 8 7 | 119 | 3219 | 2939 | 2749 | 10 9 | 149 | 3784 | 3455 | 3232 |

Table XXII.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | |
|--------------------------------------|------------------------|--|---------|---------|--------------------------------------|------------------------|--|---------|---------|
| | | CLASS A | CLASS B | CLASS C | | | CLASS A | CLASS B | CLASS C |
| 10 10 | 150 | 3802 | 3471 | 3247 | 12 12 | 180 | 4336 | 3958 | 3703 |
| 10 11 | 151 | 3821 | 3488 | 3263 | 12 13 | 181 | 4353 | 3974 | 3718 |
| 10 12 | 152 | 3839 | 3505 | 3278 | 13 0 | 182 | 4370 | 3990 | 3732 |
| 10 13 | 153 | 3857 | 3521 | 3294 | 13 1 | 183 | 4388 | 4006 | 3747 |
| 11 0 | 154 | 3875 | 3538 | 3309 | 13 2 | 184 | 4405 | 4022 | 3762 |
| | | | | | | | | | |
| 11 1 | 155 | 3893 | 3554 | 3325 | 13 3 | 185 | 4422 | 4037 | 3776 |
| 11 2 | 156 | 3911 | 3571 | 3340 | 13 4 | 186 | 4439 | 4053 | 3791 |
| 11 3 | 157 | 3929 | 3588 | 3356 | 13 5 | 187 | 4456 | 4069 | 3806 |
| 11 4 | 158 | 3947 | 3604 | 3371 | 13 6 | 188 | 4474 | 4084 | 3821 |
| 11 5 | 159 | 3965 | 3620 | 3386 | 13 7 | 189 | 4491 | 4102 | 3837 |
| | | | | | | | | | |
| 11 6 | 160 | 3983 | 3637 | 3402 | 13 8 | 190 | 4508 | 4116 | 3850 |
| 11 7 | 161 | 4001 | 3653 | 3417 | 13 9 | 191 | 4525 | 4131 | 3864 |
| 11 8 | 162 | 4019 | 3669 | 3432 | 13 10 | 192 | 4542 | 4147 | 3879 |
| 11 9 | 163 | 4037 | 3686 | 3447 | 13 11 | 193 | 4559 | 4162 | 3893 |
| 11 10 | 164 | 4055 | 3702 | 3463 | 13 12 | 194 | 4576 | 4178 | 3908 |
| | | | | | | | | | |
| 11 11 | 165 | 4072 | 3718 | 3478 | 13 13 | 195 | 4593 | 4193 | 3922 |
| 11 12 | 166 | 4090 | 3734 | 3493 | 14 0 | 196 | 4610 | 4209 | 3937 |
| 11 13 | 167 | 4108 | 3751 | 3508 | 14 1 | 197 | 4627 | 4224 | 3951 |
| 12 0 | 168 | 4126 | 3767 | 3523 | 14 2 | 198 | 4644 | 4240 | 3966 |
| 12 1 | 169 | 4143 | 3783 | 3538 | 14 3 | 199 | 4661 | 4255 | 3980 |
| | | | | | | | | | |
| 12 2 | 170 | 4161 | 3799 | 3553 | 14 4 | 200 | 4677 | 4271 | 3995 |
| 12 3 | 171 | 4179 | 3815 | 3568 | 14 5 | 201 | 4694 | 4286 | 4009 |
| 12 4 | 172 | 4196 | 3831 | 3584 | 14 6 | 202 | 4711 | 4301 | 4023 |
| 12 5 | 173 | 4214 | 3847 | 3599 | 14 7 | 203 | 4728 | 4317 | 4038 |
| 12 6 | 174 | 4231 | 3863 | 3613 | 14 8 | 204 | 4745 | 4332 | 4052 |
| | | | | | | | | | |
| 12 7 | 175 | 4249 | 3879 | 3628 | 14 9 | 205 | 4761 | 4347 | 4066 |
| 12 8 | 176 | 4266 | 3895 | 3643 | 14 10 | 206 | 4778 | 4362 | 4080 |
| 12 9 | 177 | 4284 | 3911 | 3658 | 14 11 | 207 | 4795 | 4378 | 4095 |
| 12 10 | 178 | 4301 | 3927 | 3673 | 14 12 | 208 | 4811 | 4393 | 4109 |
| 12 11 | 179 | 4318 | 3943 | 3688 | 14 13 | 209 | 4828 | 4408 | 4123 |

Table XXII.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the *weight* of the body given in stones and pounds, and in pounds.

| Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | | Weight in Stones and Pounds | Weight in Pounds | Vital Capacity in Cubic Centimetres | | |
|--------------------------------------|------------------------|--|---------|---------|--------------------------------------|------------------------|--|---------|---------|
| | | CLASS A | CLASS B | CLASS C | | | CLASS A | CLASS B | CLASS C |
| 15 0 | 210 | 4845 | 4423 | 4137 | 15 5 | 215 | 4927 | 4499 | 4208 |
| 15 1 | 211 | 4861 | 4438 | 4152 | 15 6 | 216 | 4944 | 4514 | 4222 |
| 15 2 | 212 | 4878 | 4453 | 4166 | 15 7 | 217 | 4960 | 4529 | 4236 |
| 15 3 | 213 | 4894 | 4469 | 4180 | 15 8 | 218 | 4977 | 4544 | 4250 |
| 15 4 | 214 | 4911 | 4484 | 4194 | 15 9 | 219 | 4993 | 4559 | 4264 |

Table XXIII.—FEMALES

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|---|--|---------|---------|---|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 21 - 0 | 1135 | 1037 | 970 | 25 - 0 | 1696 | 1548 | 1448 |
| - 1 | 1151 | 1051 | 983 | - 1 | 1715 | 1566 | 1465 |
| - 2 | 1167 | 1065 | 996 | - 2 | 1735 | 1584 | 1482 |
| - 3 | 1183 | 1080 | 1010 | - 3 | 1755 | 1602 | 1499 |
| - 4 | 1199 | 1094 | 1024 | - 4 | 1775 | 1620 | 1516 |
| - 5 | 1215 | 1109 | 1037 | - 5 | 1795 | 1639 | 1533 |
| - 6 | 1231 | 1124 | 1051 | - 6 | 1815 | 1657 | 1550 |
| - 7 | 1247 | 1139 | 1065 | - 7 | 1835 | 1676 | 1567 |
| 22 - 0 | 1264 | 1154 | 1079 | 26 - 0 | 1856 | 1694 | 1585 |
| - 1 | 1280 | 1169 | 1093 | - 1 | 1876 | 1713 | 1602 |
| - 2 | 1297 | 1184 | 1108 | - 2 | 1897 | 1732 | 1620 |
| - 3 | 1314 | 1199 | 1122 | - 3 | 1918 | 1751 | 1638 |
| - 4 | 1331 | 1215 | 1136 | - 4 | 1939 | 1770 | 1656 |
| - 5 | 1348 | 1231 | 1151 | - 5 | 1960 | 1789 | 1674 |
| - 6 | 1365 | 1246 | 1166 | - 6 | 1981 | 1809 | 1692 |
| - 7 | 1382 | 1262 | 1180 | - 7 | 2003 | 1828 | 1710 |
| 23 - 0 | 1400 | 1278 | 1195 | 27 - 0 | 2024 | 1848 | 1728 |
| - 1 | 1417 | 1294 | 1210 | - 1 | 2046 | 1868 | 1747 |
| - 2 | 1435 | 1310 | 1225 | - 2 | 2067 | 1888 | 1766 |
| - 3 | 1453 | 1326 | 1241 | - 3 | 2089 | 1907 | 1784 |
| - 4 | 1471 | 1343 | 1256 | - 4 | 2111 | 1928 | 1803 |
| - 5 | 1489 | 1359 | 1271 | - 5 | 2133 | 1948 | 1822 |
| - 6 | 1507 | 1376 | 1287 | - 6 | 2156 | 1968 | 1841 |
| - 7 | 1525 | 1393 | 1303 | - 7 | 2178 | 1989 | 1860 |
| 24 - 0 | 1544 | 1409 | 1318 | 28 - 0 | 2201 | 2009 | 1879 |
| - 1 | 1562 | 1426 | 1334 | - 1 | 2223 | 2030 | 1899 |
| - 2 | 1581 | 1443 | 1350 | - 2 | 2246 | 2051 | 1918 |
| - 3 | 1600 | 1460 | 1366 | - 3 | 2269 | 2072 | 1938 |
| - 4 | 1619 | 1478 | 1382 | - 4 | 2292 | 2093 | 1957 |
| - 5 | 1638 | 1495 | 1399 | - 5 | 2315 | 2114 | 1977 |
| - 6 | 1657 | 1513 | 1415 | - 6 | 2339 | 2135 | 1997 |
| - 7 | 1676 | 1530 | 1431 | - 7 | 2362 | 2156 | 2017 |

Table XXIII.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|---|--|---------|---------|---|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 29 - 0 | 2386 | 2178 | 2037 | 33 - 0 | 3211 | 2932 | 2742 |
| - 1 | 2409 | 2200 | 2058 | - 1 | 3239 | 2958 | 2766 |
| - 2 | 2433 | 2222 | 2078 | - 2 | 3268 | 2983 | 2790 |
| - 3 | 2457 | 2243 | 2098 | - 3 | 3296 | 3009 | 2815 |
| - 4 | 2481 | 2265 | 2119 | - 4 | 3324 | 3035 | 2839 |
| - 5 | 2506 | 2288 | 2140 | - 5 | 3353 | 3061 | 2863 |
| - 6 | 2530 | 2310 | 2161 | - 6 | 3382 | 3087 | 2888 |
| - 7 | 2555 | 2332 | 2182 | - 7 | 3411 | 3114 | 2913 |
| 30 - 0 | 2579 | 2355 | 2203 | 34 - 0 | 3440 | 3140 | 2937 |
| - 1 | 2604 | 2377 | 2224 | - 1 | 3469 | 3167 | 2962 |
| - 2 | 2629 | 2400 | 2245 | - 2 | 3498 | 3194 | 2987 |
| - 3 | 2654 | 2423 | 2266 | - 3 | 3527 | 3221 | 3012 |
| - 4 | 2679 | 2446 | 2288 | - 4 | 3557 | 3248 | 3038 |
| - 5 | 2704 | 2469 | 2310 | - 5 | 3587 | 3275 | 3063 |
| - 6 | 2730 | 2492 | 2331 | - 6 | 3617 | 3302 | 3089 |
| - 7 | 2755 | 2516 | 2353 | - 7 | 3647 | 3329 | 3114 |
| 31 - 0 | 2781 | 2539 | 2375 | 35 - 0 | 3677 | 3357 | 3140 |
| - 1 | 2807 | 2563 | 2397 | - 1 | 3707 | 3385 | 3166 |
| - 2 | 2833 | 2587 | 2419 | - 2 | 3737 | 3412 | 3192 |
| - 3 | 2859 | 2610 | 2442 | - 3 | 3768 | 3440 | 3218 |
| - 4 | 2885 | 2634 | 2464 | - 4 | 3799 | 3468 | 3244 |
| - 5 | 2912 | 2659 | 2487 | - 5 | 3829 | 3496 | 3270 |
| - 6 | 2938 | 2683 | 2509 | - 6 | 3861 | 3525 | 3297 |
| - 7 | 2965 | 2707 | 2532 | - 7 | 3892 | 3553 | 3323 |
| 32 - 0 | 2992 | 2732 | 2555 | 36 - 0 | 3923 | 3582 | 3350 |
| - 1 | 3019 | 2756 | 2578 | - 1 | 3954 | 3610 | 3377 |
| - 2 | 3046 | 2781 | 2601 | - 2 | 3986 | 3639 | 3404 |
| - 3 | 3073 | 2806 | 2624 | - 3 | 4017 | 3668 | 3431 |
| - 4 | 3100 | 2831 | 2648 | - 4 | 4049 | 3697 | 3458 |
| - 5 | 3128 | 2856 | 2671 | - 5 | 4081 | 3726 | 3485 |
| - 6 | 3156 | 2881 | 2695 | - 6 | 4114 | 3756 | 3513 |
| - 7 | 3184 | 2907 | 2719 | - 7 | 4146 | 3785 | 3540 |

Table XXIII.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the length of the *trunk* given in inches and eighths of inches.

| Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Length in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|---|--|---------|---------|---|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 37 - 0 | 4178 | 3819 | 3568 | 39 - 0 | 4716 | 4306 | 4027 |
| - 1 | 4211 | 3844 | 3596 | - 1 | 4751 | 4337 | 4057 |
| - 2 | 4243 | 3874 | 3624 | - 2 | 4786 | 4369 | 4087 |
| - 3 | 4276 | 3904 | 3652 | - 3 | 4821 | 4401 | 4117 |
| - 4 | 4309 | 3934 | 3680 | - 4 | 4856 | 4434 | 4147 |
| - 5 | 4342 | 3965 | 3708 | - 5 | 4892 | 4466 | 4177 |
| - 6 | 4376 | 3995 | 3737 | - 6 | 4927 | 4499 | 4208 |
| - 7 | 4409 | 4025 | 3765 | - 7 | 4963 | 4531 | 4238 |
| 38 - 0 | 4442 | 4056 | 3794 | 40 - 0 | 4999 | 4564 | 4269 |
| - 1 | 4476 | 4087 | 3823 | | | | |
| - 2 | 4510 | 4117 | 3851 | | | | |
| - 3 | 4544 | 4149 | 3881 | | | | |
| - 4 | 4578 | 4180 | 3910 | | | | |
| - 5 | 4612 | 4211 | 3939 | | | | |
| - 6 | 4647 | 4242 | 3968 | | | | |
| - 7 | 4681 | 4274 | 3998 | | | | |

Table XXIV.—FEMALES

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|--|--|---------|---------|--|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 19 - 0 | 1124 | 1027 | 960 | 23 - 0 | 1825 | 1666 | 1559 |
| - 1 | 1143 | 1044 | 976 | - 1 | 1850 | 1689 | 1580 |
| - 2 | 1162 | 1061 | 993 | - 2 | 1876 | 1712 | 1602 |
| - 3 | 1181 | 1079 | 1009 | - 3 | 1901 | 1736 | 1624 |
| - 4 | 1201 | 1096 | 1025 | - 4 | 1927 | 1760 | 1646 |
| - 5 | 1220 | 1114 | 1042 | - 5 | 1953 | 1783 | 1668 |
| - 6 | 1240 | 1132 | 1059 | - 6 | 1980 | 1807 | 1691 |
| - 7 | 1260 | 1151 | 1076 | - 7 | 2006 | 1832 | 1713 |
| 20 - 0 | 1280 | 1169 | 1094 | 24 - 0 | 2033 | 1856 | 1736 |
| - 1 | 1301 | 1188 | 1111 | - 1 | 2060 | 1881 | 1759 |
| - 2 | 1321 | 1206 | 1129 | - 2 | 2087 | 1905 | 1782 |
| - 3 | 1342 | 1225 | 1146 | - 3 | 2114 | 1930 | 1806 |
| - 4 | 1363 | 1245 | 1164 | - 4 | 2142 | 1956 | 1829 |
| - 5 | 1384 | 1264 | 1182 | - 5 | 2170 | 1981 | 1853 |
| - 6 | 1406 | 1283 | 1201 | - 6 | 2198 | 2007 | 1877 |
| - 7 | 1427 | 1303 | 1219 | - 7 | 2226 | 2032 | 1901 |
| 21 - 0 | 1449 | 1323 | 1237 | 25 - 0 | 2254 | 2058 | 1925 |
| - 1 | 1471 | 1343 | 1256 | - 1 | 2283 | 2085 | 1950 |
| - 2 | 1493 | 1363 | 1275 | - 2 | 2312 | 2111 | 1974 |
| - 3 | 1516 | 1384 | 1294 | - 3 | 2341 | 2138 | 1999 |
| - 4 | 1538 | 1404 | 1314 | - 4 | 2371 | 2164 | 2024 |
| - 5 | 1561 | 1425 | 1333 | - 5 | 2400 | 2191 | 2050 |
| - 6 | 1584 | 1446 | 1353 | - 6 | 2430 | 2219 | 2075 |
| - 7 | 1607 | 1467 | 1372 | - 7 | 2460 | 2246 | 2101 |
| 22 - 0 | 1630 | 1489 | 1392 | 26 - 0 | 2490 | 2274 | 2127 |
| - 1 | 1654 | 1510 | 1412 | - 1 | 2521 | 2301 | 2153 |
| - 2 | 1678 | 1532 | 1433 | - 2 | 2551 | 2329 | 2179 |
| - 3 | 1702 | 1554 | 1453 | - 3 | 2582 | 2358 | 2205 |
| - 4 | 1726 | 1576 | 1474 | - 4 | 2613 | 2386 | 2232 |
| - 5 | 1750 | 1598 | 1495 | - 5 | 2645 | 2415 | 2259 |
| - 6 | 1775 | 1621 | 1516 | - 6 | 2676 | 2443 | 2286 |
| - 7 | 1800 | 1643 | 1537 | - 7 | 2708 | 2473 | 2313 |

Table XXIV.—FEMALES (*Continued*)

Showing the normal *vital capacity* in cubic centimetres calculated from the circumference of the *chest* given in inches and eighths of inches.

| Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | | Chest in Inches and Eighths of Inches | Vital Capacity in Cubic Centimetres | | |
|--|--|---------|---------|--|--|---------|---------|
| | CLASS A | CLASS B | CLASS C | | CLASS A | CLASS B | CLASS C |
| 27 - 0 | 2740 | 2502 | 2340 | 31 - 0 | 3889 | 3551 | 3322 |
| - 1 | 2772 | 2531 | 2368 | - 1 | 3929 | 3588 | 3356 |
| - 2 | 2805 | 2561 | 2396 | - 2 | 3969 | 3624 | 3390 |
| - 3 | 2838 | 2591 | 2423 | - 3 | 4010 | 3661 | 3424 |
| - 4 | 2871 | 2621 | 2452 | - 4 | 4050 | 3698 | 3459 |
| - 5 | 2904 | 2651 | 2480 | - 5 | 4091 | 3735 | 3494 |
| - 6 | 2937 | 2682 | 2508 | - 6 | 4132 | 3773 | 3529 |
| - 7 | 2971 | 2712 | 2537 | - 7 | 4174 | 3811 | 3564 |
| 28 - 0 | 3005 | 2743 | 2566 | 32 - 0 | 4215 | 3849 | 3600 |
| - 1 | 3039 | 2775 | 2595 | - 1 | 4257 | 3887 | 3636 |
| - 2 | 3073 | 2806 | 2625 | - 2 | 4299 | 3925 | 3672 |
| - 3 | 3108 | 2838 | 2654 | - 3 | 4342 | 3964 | 3708 |
| - 4 | 3143 | 2869 | 2684 | - 4 | 4384 | 4003 | 3744 |
| - 5 | 3178 | 2901 | 2714 | - 5 | 4427 | 4042 | 3781 |
| - 6 | 3213 | 2934 | 2744 | - 6 | 4470 | 4081 | 3818 |
| - 7 | 3249 | 2966 | 2774 | - 7 | 4514 | 4121 | 3855 |
| 29 - 0 | 3284 | 2999 | 2805 | 33 - 0 | 4557 | 4161 | 3892 |
| - 1 | 3320 | 3031 | 2836 | - 1 | 4601 | 4201 | 3930 |
| - 2 | 3357 | 3065 | 2867 | - 2 | 4645 | 4241 | 3967 |
| - 3 | 3393 | 3098 | 2898 | - 3 | 4690 | 4282 | 4005 |
| - 4 | 3430 | 3131 | 2929 | - 4 | 4734 | 4322 | 4043 |
| - 5 | 3467 | 3165 | 2961 | - 5 | 4779 | 4364 | 4082 |
| - 6 | 3504 | 3199 | 2993 | - 6 | 4825 | 4405 | 4120 |
| - 7 | 3542 | 3233 | 3024 | - 7 | 4870 | 4446 | 4159 |
| 30 - 0 | 3579 | 3268 | 3057 | 34 - 0 | 4916 | 4488 | 4198 |
| - 1 | 3617 | 3302 | 3089 | - 1 | 4962 | 4530 | 4237 |
| - 2 | 3655 | 3337 | 3122 | - 2 | 5008 | 4572 | 4277 |
| - 3 | 3694 | 3372 | 3154 | - 3 | 5054 | 4615 | 4316 |
| - 4 | 3732 | 3408 | 3187 | - 4 | 5101 | 4657 | 4356 |
| - 5 | 3771 | 3443 | 3221 | - 5 | 5148 | 4700 | 4396 |
| - 6 | 3811 | 3479 | 3254 | - 6 | 5195 | 4743 | 4437 |
| - 7 | 3850 | 3515 | 3288 | - 7 | 5243 | 4787 | 4477 |

EXAMPLES

Example 1

FEMALE, AGE 21 YEARS

| | | |
|---------------------|------------------------|--------------------------|
| <i>Observations</i> | Weight of body | = 62.0 kilograms |
| | Length of trunk | = 88.8 centimetres |
| | Circumference of chest | = 75.0 centimetres |
| | Vital capacity | = 3630 cubic centimetres |

CALCULATION

Weight derived from length of trunk (88.8 cm.) = 64.71 kilos
(from Table VII.).

Weight derived from circumference of chest (75.0 cm.)
= 59.16 kilos (from Table VIII.).

Averaging $\frac{64.71 + 59.16}{2} = 61.9$ kilos, which is the normal
weight corresponding to the observed length of trunk and
circumference of chest.

Subtracting the calculated weight from the observed weight,

$$62.0 - 61.9 = +0.1 \text{ kilo.}$$

$$\frac{+0.1 \times 100}{61.9} = +0.2\% \text{ (or roughly } 0\%).$$

Therefore the person weighs exactly what she should weigh
according to the Tables.

Since by the above calculation the person's weight is found
to be normal, the vital capacity as calculated from the observed
weight will be correct; therefore

Vital capacity derived from weight of the body (62.0 kilos)
= 3556 c.c. (from Table X., Class A).

Subtracting the calculated from the observed vital capacity,

$$3630 - 3556 = +74 \text{ c.c.}$$

$$\frac{+74 \times 100}{3556} = +2.08\% \text{ (or roughly } +2\%).$$

EXAMPLES

Therefore the person has 2% greater vital capacity than she should have according to the Tables for Class A, calculated from the weight of the body.

To check the vital capacity as calculated from the weight of the body, proceed as follows:—

Vital capacity derived from length of trunk (88.8 cm.)
= 3667 c.c. (from Table XI., Class A).

Vital capacity derived from circumference of chest (75.0 cm.)
= 3438 c.c. (from Table XII., Class A).

Averaging $\frac{3667 + 3438}{2} = 3553$ c.c., which is the normal vital capacity for Class A corresponding to the length of trunk and circumference of chest.

Subtracting the calculated from the observed vital capacity,
 $3630 - 3553 = +77$ c.c.

$$\frac{+77 \times 100}{3553} = +2.17\% \text{ (or roughly } +2\%).$$

Therefore the person has 2% greater vital capacity than she should have according to the Tables for Class A, calculated from length of trunk and circumference of chest.

Example 2

MALE, AGE 13 YEARS

| | | |
|---------------------|------------------------|--------------------------|
| <i>Observations</i> | Weight of body | = 40.5 kilograms |
| | Length of trunk | = 77.1 centimetres |
| | Circumference of chest | = 72.0 centimetres |
| | Vital capacity | = 2880 cubic centimetres |

CALCULATION

Weight from length of trunk = 39.73 kilos.

Weight from circumference of chest = 39.61 kilos.

Averaging $39.73 + 39.61 \div 2 = 39.7$ kilos = weight calculated.

Subtracting calculated from observed weight,

$$40.5 - 39.7 = +0.8 \text{ kilos.}$$

$$+0.8 \times 100 \div 39.7 = +2.01\%.$$

Therefore the person is 2.01% too heavy.

Vital capacity from weight = 3010 c.c. (Class A) = (vital capacity calculated from weight).

Subtracting calculated from observed vital capacity,

$$2880 - 3010 = -130 \text{ c.c.}$$

$$-130 \times 100 \div 3010 = -4.32\%.$$

Therefore the person has 4.32% too little vital capacity for Class A by weight.

Vital capacity from length of trunk = 2969 c.c. (Class A).

Vital capacity from circumference of chest = 2962 c.c. (Class A).

Averaging $2969 + 2962 \div 2 = 2966$ c.c. (Class A) = (vital capacity calculated from length of trunk and circumference of chest).

Subtracting calculated from observed vital capacity,

$$2880 - 2966 = -86 \text{ c.c.}$$

$$-86 \times 100 \div 2966 = -2.9\%.$$

Therefore the person has 2.9% too little vital capacity for Class A by length of trunk and circumference of chest.

Example 3

FEMALE, AGE 20 YEARS

| | | |
|---------------------|------------------------|--------------------------|
| <i>Observations</i> | Weight of body | = 52.5 kilograms |
| | Length of trunk | = 83.8 centimetres |
| | Circumference of chest | = 72.5 centimetres |
| | Vital capacity | = 3100 cubic centimetres |

CALCULATION

Weight from length of trunk = 53.77 kilos.

Weight from circumference of chest = 52.51 kilos.

Averaging $53.77 + 52.51 = 106.28$.

$106.28 \div 2 = 53.1$ kilos = weight calculated.

Subtracting calculated from observed weight,

$$52.5 - 53.1 = -0.6 \text{ kilos.}$$

$$-0.6 \times 100 \div 53.1 = -1.13\%.$$

Therefore the person is 1.13% too light.

Vital capacity from weight = 3155 c.c. (Class A) = (vital capacity calculated from weight).

Subtracting calculated from observed vital capacity,

$$3100 - 3155 = -55 \text{ c.c.}$$

$$-55 \times 100 \div 3155 = -1.74\%.$$

EXAMPLES

Therefore the person has 1.74% too little vital capacity for Class A by weight.

Vital capacity from length of trunk = 3210 c.c.

Vital capacity from circumference of chest = 3155 c.c.

Averaging $3210 + 3155 \div 2 = 3183$ c.c. = (vital capacity calculated from length of trunk and circumference of chest).

Subtracting calculated from observed vital capacity,

$$3100 - 3183 = -83 \text{ c.c.}$$

$$-83 \times 100 \div 3183 = -2.61\%$$

Therefore the person has 2.61% too little vital capacity for Class A by length of trunk and circumference of chest.

Example 4

MALE, AGE 9 YEARS

| | | | |
|---------------------|---|------------------------|--------------------------|
| <i>Observations</i> | { | Weight of body | = 32.2 kilograms |
| | | Length of trunk | = 72.2 centimetres |
| | | Circumference of chest | = 67.0 centimetres |
| | | Vital capacity | = 2390 cubic centimetres |

CALCULATION

Weight from length of trunk = 32.34 kilos.

Weight from circumference of chest = 32.52 kilos.

Averaging $32.34 + 32.52 \div 2 = 32.4$ kilos = weight calculated.

Subtracting calculated from observed weight,

$$32.2 - 32.4 = -0.2 \text{ kilos.}$$

$$-0.2 \times 100 \div 32.4 = -0.62\%$$

Therefore the person is 0.62% too light.

Vital capacity from weight = 2330 c.c. (Class B) = (vital capacity calculated from weight).

Subtracting calculated from observed vital capacity,

$$2390 - 2330 = +60 \text{ c.c.}$$

$$+60 \times 100 \div 2330 = +2.58\%$$

Therefore the person has 2.58% too great vital capacity for Class B by weight.

Vital capacity from length of trunk = 2336 c.c. (Class B).

Vital capacity from circumference of chest = 2346 c.c. (Class B).

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Averaging $2336 + 2346 + 2 = 2341$ c.c. (Class B) = (vital capacity calculated from length of trunk and circumference of chest).

Subtracting the calculated from observed vital capacity,

$$2390 - 2341 = +49 \text{ c.c.}$$

$$+49 \times 100 \div 2341 = +2.09\%.$$

Therefore the person has 2.09% too great vital capacity for Class B by length of trunk and circumference of chest.

Example 5

MALE, AGE 13 YEARS

| | | | |
|---------------------|---|------------------------|--------------------------|
| <i>Observations</i> | { | Weight of body | = 32.5 kilograms |
| | | Length of trunk | = 72.6 centimetres |
| | | Circumference of chest | = 67.5 centimetres |
| | | Vital capacity | = 2140 cubic centimetres |

CALCULATION

Weight from length of trunk = 32.91 kilos.

Weight from circumference of chest = 33.20 kilos.

Averaging $32.91 + 33.20 + 2 = 33.1$ kilos = weight calculated.

Subtracting calculated from observed weight,

$$32.5 - 33.1 = -0.6 \text{ kilos.}$$

$$-0.6 \times 100 \div 33.1 = -1.81\%.$$

Therefore the person is 1.81% too light.

Vital capacity from weight = 2194 c.c. (Class C) = (vital capacity calculated from weight).

Subtracting calculated from observed vital capacity,

$$2140 - 2194 = -54 \text{ c.c.}$$

$$-54 \times 100 \div 2194 = -2.46\%.$$

Therefore the person has 2.46% too little vital capacity for Class C by weight.

Vital capacity from length of trunk = 2213 c.c. (Class C).

Vital capacity from circumference of chest = 2227 c.c. (Class C).

Averaging $2213 + 2227 + 2 = 2220$ c.c. (Class C) = (vital capacity calculated from length of trunk and circumference of chest).

EXAMPLES

Subtracting calculated from observed vital capacity,

$$2140 - 2220 = -80 \text{ c.c.}$$

$$-80 \times 100 \div 2220 = -3.6\%.$$

Therefore the person has 3.6% too little vital capacity for Class C by length of trunk and circumference of chest.

Example 6

MALE, AGE 8 YEARS

| | | | |
|---------------------|---|------------------------|--------------------------|
| <i>Observations</i> | { | Weight of body | = 25.5 kilograms |
| | | Length of trunk | = 65.4 centimetres |
| | | Circumference of chest | = 62.0 centimetres |
| | | Vital capacity | = 1960 cubic centimetres |

CALCULATION

Weight from length of trunk = 23.72 kilos.

Weight from circumference of chest = 26.29 kilos.

Averaging $23.72 + 26.29 \div 2 = 25.0$ kilos = weight calculated.

Subtracting calculated from observed weight,

$$25.5 - 25.0 = +0.5 \text{ kilos.}$$

$$+0.5 \times 100 \div 25.0 = +2\%.$$

Therefore the person is 2% too heavy.

Vital capacity from weight = 1969 c.c. (Class B) = (vital capacity calculated from weight).

Subtracting calculated from observed vital capacity,

$$1960 - 1969 = -9 \text{ c.c.}$$

$$-9 \times 100 \div 1969 = -0.46\%.$$

Therefore the person has 0.46% too little vital capacity for Class B by weight.

Vital capacity from length of trunk = 1869 c.c. (Class B).

Vital capacity from circumference of chest = 2013 c.c. (Class B).

Averaging $1869 + 2013 \div 2 = 1941$ c.c. (Class B) = (vital capacity calculated from length of trunk and circumference of chest).

Subtracting calculated from observed vital capacity,

$$1960 - 1941 = +19 \text{ c.c.}$$

$$+19 \times 100 \div 1941 = +0.98\%.$$

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Therefore the person has 0.98% too great vital capacity for Class B by length of trunk and circumference of chest.

Example 7

FEMALE, AGE 9 YEARS

| | | |
|---------------------|------------------------|--------------------|
| <i>Observations</i> | Weight of body | = 28.6 kilograms |
| | Length of trunk | = 65.7 centimetres |
| | Circumference of chest | = 59.0 centimetres |

CALCULATION

Weight from length of trunk = 24.78 kilos.

Weight from circumference of chest = 25.41 kilos.

Averaging $24.78 + 25.41 \div 2 = 25.1$ kilos = weight calculated.

Subtracting calculated from observed weight,

$$28.6 - 25.1 = +3.5 \text{ kilos.}$$

$$+3.5 \times 100 \div 25.1 = +13.94\%.$$

Therefore the person is 13.94% too heavy.

Example 8

MALE, AGE 20 YEARS

| | | |
|---------------------|------------------------|--------------------------|
| <i>Observations</i> | Weight of body | = 59.8 kilograms |
| | Length of trunk | = 90.2 centimetres |
| | Circumference of chest | = 86.0 centimetres |
| | Vital capacity | = 4700 cubic centimetres |

CALCULATION

Weight from length of trunk = 64.98 kilos.

Weight from circumference of chest = 64.45 kilos.

Averaging $64.98 + 64.45 \div 2 = 64.7$ kilos = weight calculated.

Subtracting calculated from observed weight,

$$59.8 - 64.7 = -4.9 \text{ kilos.}$$

$$-4.9 \times 100 \div 64.7 = -7.57\%.$$

Therefore the person is 7.57% too light.

The vital capacity calculated from weight will obviously be too small on account of the person being under weight.

EXAMPLES

Vital capacity from length of trunk = 4230 c.c. (Class A).

Vital capacity from circumference of chest = 4205 c.c. (Class A).

Averaging $4230 + 4205 \div 2 = 4218$ c.c. (Class A) = (vital capacity calculated from length of trunk and circumference of chest).

Subtracting calculated from observed vital capacity,

$$4700 - 4218 = +482 \text{ c.c.}$$

$$+482 \times 100 \div 4218 = +10.26\%.$$

Therefore the person has 10.26% too great vital capacity for Class A by length of trunk and circumference of chest.

Example 9

MALE, AGE 25 YEARS

| | | | |
|---------------------|---|------------------------|--------------------------|
| <i>Observations</i> | { | Weight of body | = 69.0 kilograms |
| | | Length of trunk | = 88.7 centimetres |
| | | Circumference of chest | = 85.0 centimetres |
| | | Vital capacity | = 4200 cubic centimetres |

CALCULATION

Weight from length of trunk = 61.65 kilos.

Weight from circumference of chest = 62.42 kilos.

Averaging $61.65 + 62.42 \div 2 = 62.0$ kilos = weight calculated.

Subtracting calculated from observed weight,

$$69.0 - 62.0 = +7 \text{ kilos.}$$

$$+7 \times 100 \div 62.0 = +11.29\%.$$

Therefore the person is 11.29% too heavy.

The vital capacity calculated from weight will obviously be too large on account of the person being above weight.

Vital capacity from length of trunk = 4073 c.c. (Class A).

Vital capacity from circumference of chest = 4109 c.c. (Class A).

Averaging $4073 + 4109 \div 2 = 4091$ c.c. (Class A) = (vital capacity calculated from length of trunk and circumference of chest).

Subtracting calculated from observed vital capacity,

$$4200 - 4091 = +109 \text{ c.c.}$$

$$+109 \times 100 \div 4091 = +2.66\%.$$

Therefore the person has 2.66% too great vital capacity for Class A by length of trunk and circumference of chest.

Example 10

FEMALE, AGE 20 YEARS

| | | | |
|---------------------|---|------------------------|--------------------|
| <i>Observations</i> | { | Weight of body | = 51.7 kilograms |
| | | Length of trunk | = 86.9 centimetres |
| | | Circumference of chest | = 68.0 centimetres |

CALCULATION

Weight from length of trunk = 60.4 kilos.

Weight from circumference of chest = 41.9 kilos.

Averaging $60.4 + 41.9 \div 2 = 51.2$ kilos, which is the normal weight corresponding to the observed length of trunk and circumference of chest.

Subtracting calculated from observed weight,

$$51.7 - 51.2 = +0.5 \text{ kilos.}$$

$$+0.5 \times 100 \div 51.2 = +0.98\%.$$

Therefore the person weighs about 1% more than she should according to the Tables.

REDUCTION TABLE

Cubic Inches to Cubic Centimetres

| Cubic Inches | | Cubic Centi- metres |
|-----------------|---|---------------------------|
| 1 | = | 16·3872 |
| 2 | = | 32·7743 |
| 3 | = | 49·1615 |
| 4 | = | 65·5486 |
| 5 | = | 81·9358 |
| 6 | = | 98·3230 |
| 7 | = | 114·7101 |
| 8 | = | 131·0973 |
| 9 | = | 147·4845 |

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